

LARGE

AUSA CALLS FOR ACTION:

Support Mounts for Pay Equity, Discard of "Dual" Job Laws

ENTHUSIASTIC support is growing for President Eisenhower's plan to equalize pay next January and for Congressional proposals that would remove out-dated restrictions on Federal employment of retired Service officers.

The Association of the U. S. Army at its annual convention in Washington, D. C., adopted strong resolutions on both these problems.

Similar action can be expected at the 1959 convention of the Air Force Association in Miami Beach early next month.

The President's decision to ask Congress to equalize pay for all retired officers—whether or not they left active duty before 1 June 1958—was revealed exclusively in The Journal issue of 18 July. Last week's issue published the text of a White House communication to Brig. Gen. Frederic Boye, USA-Ret., who is President of General Eisenhower's USMA '15 Class, on this subject.

The Association of the U. S. Army, moving to gain national support for the pay equalization drive, said at its convention this week that it was cognizant of "the expressed interest and concern" of

—Continued on back page

Other Highlights From AUSA '59 Meeting

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L/G Trudeau Is Always A Fighter	P. 35

1965 Combat Garb



THE Army's Combat Development Experimentation Center at Fort Ord, Calif., staged a showing of the Soldier of Tomorrow at this week's annual meeting of the Association of the U. S. Army in Washington, D. C. The new battle

—Continued on page 20

Nuclear Test Ban Retards Weapons

(More Prestige, Less Space, P. 27)

CLUSTERED from the public in top secret offices on the first level of the Pentagon, the Defense Atomic Support Agency plans the nuclear punch for the U. S. Armed Forces.

Under direction of RAdm. Edward N. Parker, USN, the Agency is the top nuclear organization within the Department of Defense.

It is the lineal successor of the WWII Manhattan Engineer District and the Armed Forces Special Weapons Project.

In May of this year, when AFSWP was placed directly under the JCS, its name was changed to the Defense Atomic Support Agency.

A JOURNAL reporter, who received authorization to visit the Agency, gathered the impression that the present one-year moratorium on nuclear weapons testing may be retarding the development of more advanced and sophisticated nuclear devices.

It may also be limiting knowledge on the effects of nuclear devices.

In an interview with Admiral Parker, THE JOURNAL was told that the "future development of weapons is intimately connected with whether we have more tests or not.

"If we are going to advance the art and maintain strength," Admiral Parker said, "we must have the ability to test weapons."

The tests are necessary, he said, if for nothing more than to give us confidence in our ability.

Asked how often he thought nuclear weapons tests should be conducted, Admiral Parker said that "fundamentally we'd like to test anytime we're ready to test. Practically, we're stuck with waiting until we have enough devices to make the tests economically worthwhile."

—Continued on page 27

ARMY
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UNIVERSITY OF MICHIGAN

AUG 11 1959

PERIODICALS
READING ROOM

JOURNAL

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Army, USMC Win Budget Boosts, Navy, Air Force, OSD Take Cuts

Highlights, Page 29
ASW Program, Page 8

THE Army and Marine Corps won increases and the Navy, Air Force and OSD have suffered reductions in the final fiscal '60 military appropriations approved by Congress.

The House and Senate approved a \$39.6 billion defense bank account for the current fiscal year, including \$430 million in transfer authority.

Still to be appropriated are supplemental military construction funds of more than \$1.2 billion, raising the total to almost \$40.9 billion.

The Army increase amounts to \$390.8 million above the President's request. Most of the amount is earmarked for additional modernization, but \$137 million is set aside to accelerate the Nike-Zeus anti-missile missile.

The Marine Corps won Congressional support for a force of 200,000 and was granted an additional \$43.1 million for this purpose. Senate efforts to place a mandatory floor on the Corps failed to be upheld in conference.

The Air Force got the lion's share of the budget—\$17,472,706,000—but lost \$300 million.

—Continued on page 29

Tombstone Extension Sought At Capitol

Sea Service Quandary, Page 2
Plucking Boards Meet, Page 8

REPRESENTATIVES Samuel S. Stratton (D-NY) and George Huddleston (D-Ala) have asked Congress to continue "tombstone" promotion authority for the Navy, Marine Corps, and Coast Guard until 2 July 1960.

The authority will expire 1 November under a repeal provision of Navy-Marine Corps "hump" legislation now awaiting the President's signature, unless Congress takes further action.

In related developments:

- The Navy disclosed that about 30

—Continued on page 29

A READER SPEAKS

The Journal publishes on Page 12 of this issue a provocative communication from a Navy flag officer concerning action which he believes is essential to raise career attractiveness in the Armed Forces.

Discussing this letter with Journal editors, the admiral said he anticipates that certain of his proposals will be controversial, but he says the problem needs to be surveyed in full scope.

What Was President's Role In Retired Officer Probe?

CHAIRMAN F. Edward Hébert (D-La) of the House Armed Services Special Investigations Subcommittee likes to probe President Eisenhower.

Over and over again, during the inquiry into charges of "influence peddling" by retired military officers, the Chairman has said that the Chief Executive is deeply disturbed about the problem.

In fact, Congressman Hébert repeatedly has said that the President, himself, kicked off the ruckus in the first place when the Chief Executive lashed out at the "munitions lobby."

No one has bothered so far to insert the record of the hearings exactly as it was the President said. Members of the committee and witnesses seemingly have accepted without question the popular interpretation that General

Eisenhower was talking about retired officers.

Strangely enough, the President thinks he never publicly used the expression "munitions lobby," and his statement in answer to news conference questions on the subject had nothing to do with the role of retired military officers working for defense industries.

In its original context, the question which the President answered about the so-called "munitions lobby" actually involved influence-peddling on Capitol Hill, not in the offices of the Pentagon where Congressman Hébert has beamed the rays of his searchlight.

Secretary of the Army Wilber M. Brucker has said that those who participate in crucial decisions affecting procurement often include "individual Mem-

bers of Congress."

The "munitions lobby" question was raised during a White House news conference by Mrs. Ruth Montgomery of the Hearst Newspapers. Another reporter had inquired about the Bomarc-Nike Hercules quarrel—complicated at that time by a Senate Committee decision to cut the Hercules program and a House Committee decision to kill Bomarc funds.

After the President had explained that the Defense Department was re-studying the entire air defense set-up, Mrs. Montgomery asked:

"Mr. President, following up on that same question, several Senators said that lately you have spoken out rather sharply to them about what you have termed the munitions lobby, which you feel has

—Continued on page 21

Quandary Confronts Sea Service Officers On "Tombstones"; What's "Combat" Not Clear

CAN a Navy or Marine Corps officer who elects voluntary retirement be assured that his "combat" decoration entitles him to a "tombstone" promotion? The answer is NO.

In response to a JOURNAL query, the Navy said this week that it has received a number of phone calls from officers asking if a medal they have earned permits them to be advanced if they submit retirement applications in time to meet the cut-off date established in the new Hump Bill.

These officers are being informed that a decision regarding the possibility of their receiving a grade increase on the retired list can not be made until the Navy has in hand a formal retirement request.

The Navy makes determinations concerning "tombstone" advancements only after an official retirement application is received, with the Secretary of the Navy

having final word on the post retirement promotion.

Each case is individually reviewed by the Navy's Board of Decorations and Medals.

The law states that "tombstone" advancements will be awarded to officers "who have been specially commended for actual combat duty." The law does not state that award of a specific medal makes an officer eligible for "tombstone" promotion.

In making determinations concerning those eligible for promotion to the next higher rank on the retired list, the

Board, as a general rule of thumb, interprets the word "actual" to mean "under fire."

Since the Navy does not make decisions before an officer asks to be retired, each individual is well advised to recall the circumstances surrounding his citation. Many citations made during WWII while technically "combat" awards, were not issued for service "under fire."

Some awards, in fact, are deemed by the Board to be "combat-connected," and were issued for heroism following actual combat.

An example of the aftermath-of-combat citation would be a situation in which a rescue was made following the destruction of a Naval vessel. An individual might have placed his life in jeopardy to save survivors after the actual combat exchange with the enemy.

Although, in this case, the individual acted heroically in a combat area, he might not be deemed to have been under enemy fire at the time he performed his valorous action.

Awards Procedure

The awards that could be instrumental in advancement on the retired list are in order of precedence: Medal of Honor, Navy Cross, DSM, Silver Star, Legion of Merit, DFC, Bronze Star, Air Medal and Navy Commendation Ribbon with Metal Pendant.

As a general rule, the higher the award the greater the chance an officer has of receiving a retirement promotion.

Officers who have earned either of the two top decorations for extraordinary heroism have almost a 100% chance of being awarded post retirement advancement. There may be a few cases, however, of officers who have won the Navy Cross who may not be entitled to "tombstone" rank.

These officers may have received the medal for performance in a situation described above.

The majority of officers who have earned the third highest award—the Distinguished Service Medal—probably are not eligible for increased rank on the retired list, since this honor is given, in most cases, for meritorious service, not necessarily in a combat situation.

The fourth highest Navy medal—the Silver Star—like the first two on the list, gives an individual an almost automatic post-retirement promotion.

DFC's May Differ

Like the Distinguished Service Medal, the DFC may or may not entitle an officer to increased rank since it is frequently given for non-combat achievement.

The Bronze Star also was awarded for both combat and non-combat duty and calls for a reading of the accompanying citation by the Board of Decorations and Medals.

The Air Medal, next lower in rank than the Bronze Star, seldom will entitle an officer to a "tombstone" advancement. The vast majority of Air Medals were issued automatically during WWII for each five missions flown by a pilot. The Navy does not hold, as a general rule, that the Air Medal fits the "specially commended" category.

The Navy Commendation Ribbon with Metal Pendant—the lowest award in the ladder of medals that may entitle an individual for advancement—is judged on the accompanying citation.

The Navy-Marine Corps Medal, which stands in rank between the DFC and the Bronze Star, has no bearing on "tombstone" rank. It is not given for combat heroism.

Award of a Purple Heart Medal is not as evidence that an officer has been in combat. It would cinch an officer's eligibility for a "tombstone" advancement if he were the recipient of any combat decoration.

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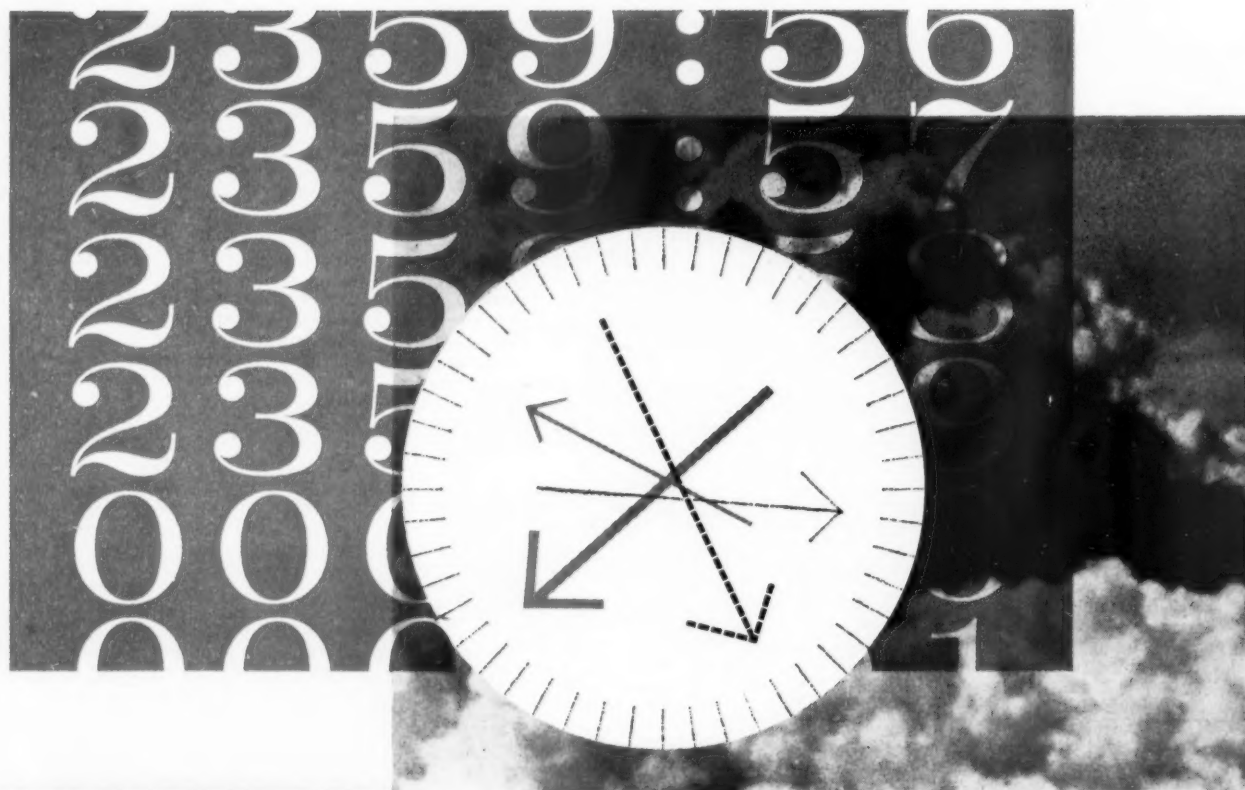
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Col. Schofield Commands Sondestrom Air Base

Col. Martin B. Schofield, formerly stationed at the Air War College, Maxwell AFB, Ala., has taken command of Sondestrom AB in Greenland.

He had been Project Officer of Evaluation at the College since 1958.

Capitol Acts On Military Bills Affecting All The Fighting Forces

Congress has approved and sent to the White House legislation establishing a Bureau of Naval Weapons, as well as numerous other bills affecting the Armed Forces.

Here are some of the measures which have been cleared for the President's signature:

BUREAU OF NAVAL WEAPONS—HR 7508, authorizes establishment of a Bureau of Naval Weapons by consolidating the existing Bureaus of Ordnance and Aeronautics. The House accepted a Senate amendment which provides that a Marine Corps general officer may, if so designated, head the new Bureau.

TRAVEL ALLOWANCES—HR 3322, authorizes travel allowances to escorts of dependents of members of the Armed Forces attending burials.

COAST GUARD SERVICES—S. 577, authorizes Coast Guard to sell certain utilities in the immediate vicinity of a Coast Guard activity not available from local sources.

COAST GUARD SERVICES—S. 1367, authorizes Coast Guard to sell supplies and furnish services not available from local sources to vessels and other watercraft to meet the necessities of such vessels and craft.

COAST GUARD HOUSING—S. 2153, authorizes transfer by the Navy to the Coast Guard of certain real property.

MEDICAL BOARDS—HR 3320, provides new rules for the appointment of boards of medical officers to determine incompetency of members of the Armed Forces.

MILITARY CONSTRUCTION—HR 5674, authorizes \$2 billion, plus, military construction program for current fiscal

year and establishes new legislative controls to be exercised over missile, aircraft and ship procurement beginning 1 January 1961.

NAVAL FORCES—HR 4068, repeals restrictions on increasing of forces at naval activities prior to national elections.

NAVY CHAPLAINS—HR 3290, repeals requirement that each chaplain report annually to the Secretary of the Navy.

WAAC CREDIT—HR 3321, credits WAAC service as active military service for persons who subsequently performed

active service in the Armed Forces.

In other actions on Capitol Hill:

The House Armed Services Committee approved Senate-passed measures (SJRes 24 and SJRes 106) authorizing two citizens of Thailand to attend West Point and two citizens of Belgium to attend the Naval Academy. The Committee also favorably reported HR 3923, authorizing a medal for persons who served as members of a U. S. expedition to Antarctica, and HR 6269, amending the Armed Forces Reserve Act of 1952 to define the term "a member of a Reserve compo-

nent" so as to include a member of the Army or Air Force without specification of component.

Chairman Carl Vinson (D-Ga) announced appointment of a special subcommittee to consider resolutions in connection with "the Great White Fleet." Representative O. C. Fisher (D-Tex) was named Chairman.

The Senate approved and sent to the House S. 2118 authorizing the Secretary of the department in which the Coast Guard is operating to prescribe certain safety regulations aboard vessels.

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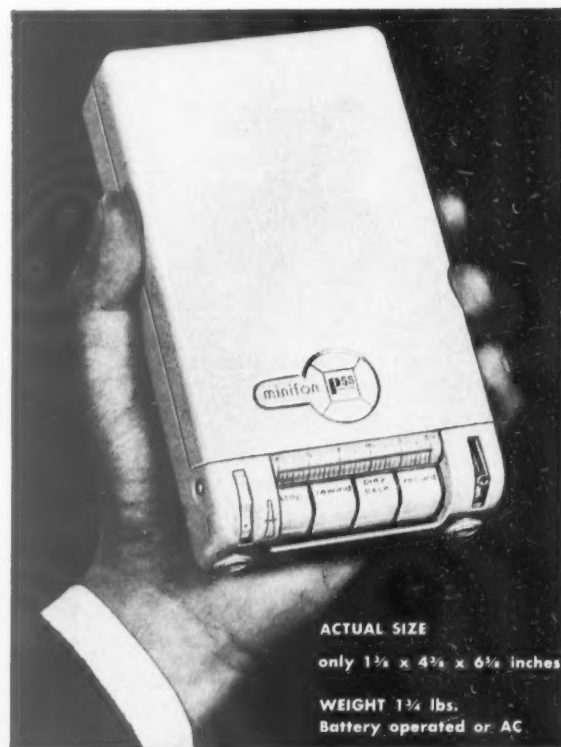


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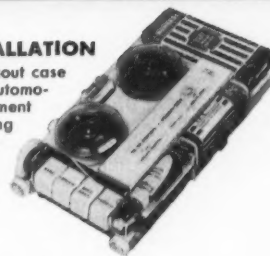
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Col. Whetstone Heads 7th Army Aviation

Col. Russell E. Whetstone has succeeded Col. Edgar C. Wood as Seventh Army Aviation Officer at Stuttgart, Germany. Colonel Wood goes to Continental Army Command, Ft. Monroe, Va.

A parachutist, Colonel Whetstone volunteered for air training three years ago and was subsequently assigned to the Air War College, Maxwell AFB, Ala., as a student. He later served one year as Director of Tactics in the Army Aviation School at Ft. Rucker, Ala.

Colonel and Mrs. Whetstone are the parents of two teen-aged sons. The family resides in Von Steuben Village at Seventh Army Headquarters.

Army Promotes 14 To Col. In S.O. 152

The Army has promoted the following 14 lieutenant colonels to temporary colonel in S. O. 152, effective 3 August. They include lieutenant colonels through sequence numbers 239 Army, 62 MC, 57 DC, and 33 MSC lists in Circular 624-35, dated 1 October 1958.

Augsburger, R H, DC	Jesurun, H M, MC
Benade, L E, MSC	Mulholland, R F, MC
Brackett, M E, MC	Orr, K D, MC
Chamblin, F A, FC	Rogers, R P, DC
Cressler, J C, MC	Sandifer, S H, MC
Eaker, A B, MC	Steer, A, MC
Harris, J F, MC	Williams, G A, Inf

Maj. Jagoda Captures N.C. Pistol Trophy

The North Carolina State Pistol Championship held at Camp Lejeune saw Maj. John M. Jagoda of Marine Corps Schools, Quantico, Va., win the Grand Aggregate with a score of 2558X-2700.

Second was Maj. John F. Conroy, also of Marine Corps Schools, with a score of 2546X-2700.

Major Jagoda also won the Center Fire Aggregate with Sgt. Jum of Ft. Gordon, Ga., winning again in the 45 Caliber Aggregate. A retired Marine from Ellenboro, N. C., Lt. Col. Thurman E. Barrier, was named High Civilian in the Grand Aggregate.

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New Corps Cofs



LT. GEN. Clark L. Ruffner (left), Third Army Commander, chats with Brig. Gen. Joseph W. Stilwell, Jr., who became XVIIIth Airborne Corps Cofs at Ft. Bragg, N. C., on 7 August. General Ruffner commanded the 2d Infantry Division in Korean combat in 1951. General Stilwell commanded the 23d Infantry Regiment of the 2d in 1952.

Defense Budget Is "Life Insurance"

A top defense industry leader told the Association of the U. S. Army meeting in Washington, D. C., this week that the people of the United States "must consider the defense budget as their national life insurance."

Chrysler Corporation Group Vice President for Defense and Special Products, Mr. Thomas F. Morrow made this remark as a participant with Lt. Gen. Arthur G. Trudeau, Chief of Research and Development, on a panel which explored the problem of "Modern Army Readiness Through Research."

Outlining the close cooperation between his company and top Army R&D people at the Pentagon and in Maj. Gen. J. B. Medaris' Ordnance Missile Command in development of the Redstone and Jupiter missiles, Mr. Morrow said that adequate resources must be made available to the Service-Industry-Science team to complete weapons projects as quickly as possible.

General Trudeau made the point that in the past the lack of fiscal support has stretched out R&D programs to a point where weapons have lost their usefulness because of the time lag.

Emphasizing the Army's drive to obtain the best weapons in the least possible time, General Trudeau said he has activated an "Idea and Ingenuity Desk" in his office. Its mission is to consider ideas submitted by "any American, in uniform or out."

Joining General Trudeau and Mr. Morrow for the presentation were Dr. James W. McRae, Vice President of the American Telephone and Telegraph Company and Chairman of the Army Scientific Advisory Committee. He gave particular stress to the need for basic research support and for the closest possible working relationship between soldiers and scientists.

Others who joined in the panel discussion were Maj. Gen. August Schomburg, Deputy Chief of Ordnance; Col. R. B. Partridge of Continental Army Command Headquarters, Ft. Monroe, Va.; and SFC Joseph F. Conroy, also of CONARC.

General Schomburg outlined the relationship of Army and Industry and explained the Army's need for minimum "in house" capabilities in research and development and production, so as to be able to achieve maximum results from industry.

General Schomburg noted that in the Ordnance Corps about 20% of research funds and only about 10% of production money is spent in Army facilities. The rest goes to industry or other private facilities, such as university laboratories.

Col. Mathewson

Commands Greeley

Col. Nathan S. Mathewson is the new commander of Ft. Greeley, Alaska, following duty as Cofs XX Army Corps (Reserve) at Ft. Hayes, Ohio, under Maj. Gen. Ralph W. Zwicker.

AUSA Assn. Wants Million Soldiers, Missile Flexibility, More Airlift

The Association of the U. S. Army, in addition to its resolutions on pay equalization and Federal employment restrictions (see Page 1), has called for action to provide an Active Army of at least one million men, with a paid drill strength Reserve of 300,000 and 400,000 in the National Guard.

The Association's resolutions urged adequate funds for modernization "at a rate and to an extent which will assure the United States a fighting force, properly armed and equipped for any type of modern warfare."

A third resolution advocated removal of range limitations on use of Army bal-

listic missile systems, and a fourth advocated that the Army "be authorized to proceed with all possible speed in the development, perfection, and production of the Nike Zeus missile system so critical to this country's security."

The Association said the "dearth of adequate airlift to move and support the Strategic Army Corps is crippling to the Nation's ability to respond promptly and forcefully to a threatened or actual limited war situation."

In the field of Army Aviation, the Association said weight and range limitations on organic aircraft should be lifted "so as to exploit its versatility and

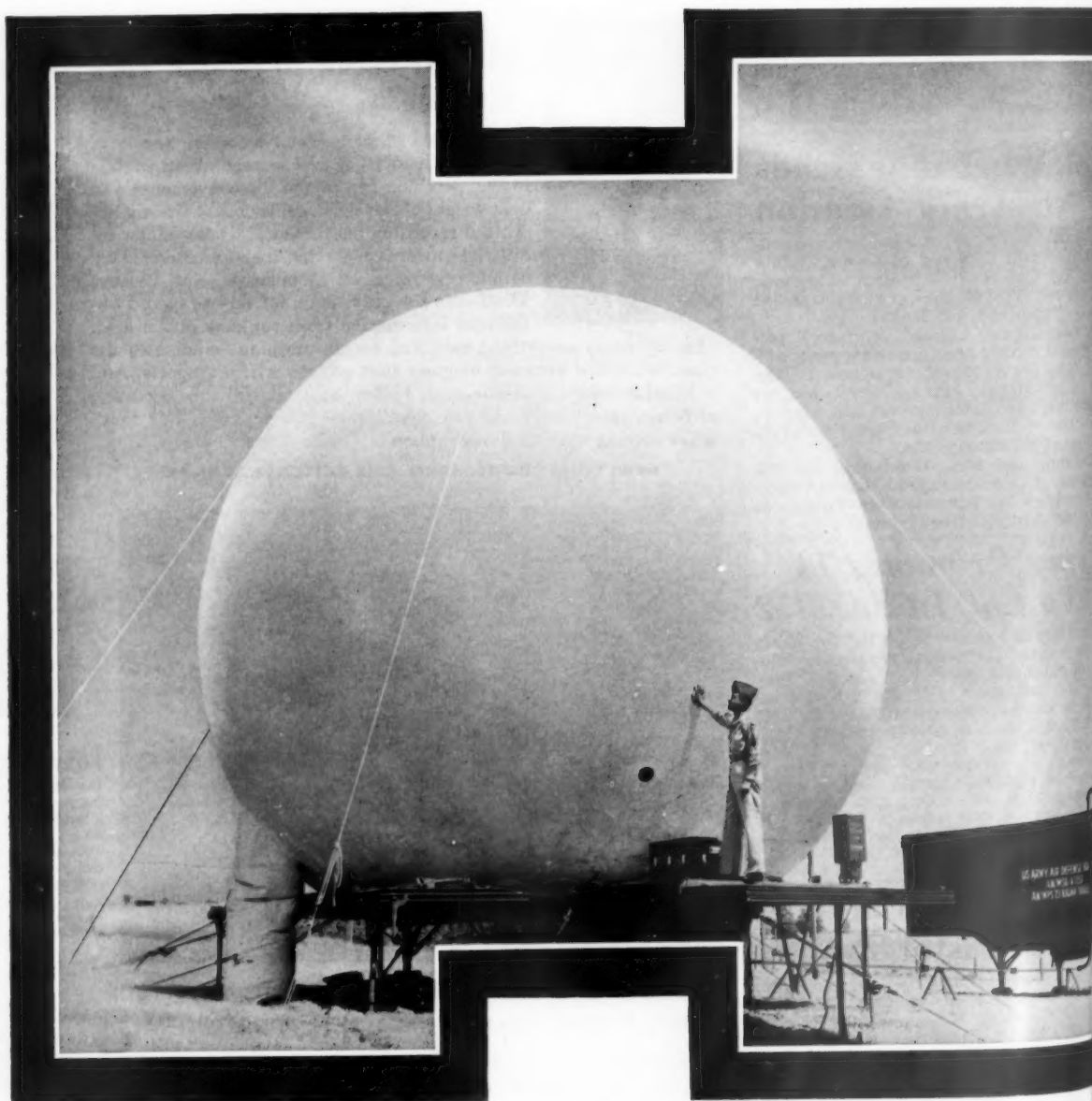
mobility to the full advantage of its capabilities in support of the Army's role."

Another resolution called for expansion of high school and college ROTC programs, with increased Federal funding and manpower support.

The Association proposed that Independence Hall in Philadelphia, the site of the Army's birthplace, "be appropriately memorialized."

An internal resolution called for establishment of area and state organizations along the boundaries of the six ZI Army areas.

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Secretary Brucker Calls For "New Spirit Of Unity" Throughout The Army

A strong appeal voiced by Secretary Wilber M. Brucker for a "One Army" concept raised speculation this week whether new efforts will be made to merge various Association meetings in the years ahead.

There is in the Army strong feeling, pro and con, that the Armor Association and Army Aviation Association, for example, should hold their sessions in conjunction with the Association of the U. S. Army convention.

It was at the AUSA meeting that Secretary Brucker declared on 5 August that

there is a need to achieve "a new spirit of unity throughout our various components, arms, and services."

Urging full support for the "One Army" concept, Secretary Brucker said:

"It is time for all of us—Regulars and Reserves, civilian and military, infantryman and engineer, active duty and retired—to close ranks and strive in fact as well as in theory for a unity of effort, purpose, and identity which will galvanize the countless categories of units, components, and elements into 'One Army.'"

Secretary Brucker continued:

"We recognize the splendid traditions of each arm, service, and component. The infantry is justly proud of its front-line role in every war. Paratroopers, tankers, and artillerymen find inspiration in their magnificent combat exploits in the battles of other years. The long and distinguished records of the various services furnish strong incentive for further and greater accomplishments."

"Many of our National Guard and Army Reserve units are heirs to a gallant tradition of service to the Nation which goes

back in some cases to the War of Independence, and even before. We would preserve these invaluable traditions."

"We would do nothing to weaken or destroy these intangible sources of pride and esprit. Nevertheless, in order to keep pace with the increasingly grave requirements placed upon us, it is imperative that we bring about a true amalgamation of all arms, services, and components into 'One Army' with a slogan of 'One for all, and all for one.'"

He continued:

"Today we have the opportunity to reshape the Army into something more unified in spirit and in being because an evident threat and danger stalks among us, binding us together in the fellowship of common peril. In the past, this unity was achieved only during the actual months of battle when men shared the rigors, dangers, and accomplishments of war together."

"When the last shot had been fired and victory won, the Regulars returned to the routine of garrison life, the National Guardsmen to their home states, and the Reservists simply forgot the whole business. Peacetime was a period of slow decay in matters of defense."

"In the years since World War II, however, this Nation has been kept rudely alerted by repeated communist pronouncements and activities which revealed their intentions to reduce all nations of the world to a state of vassalage. This common peril has acted upon us like war, bringing us closer together in the realization that we are in the front lines of a new and perilous episode in our history which may last for years to come. In the midst of these common trials and pressures, many improvements have been made and a new confidence has been born. With confidence comes achievement; with achievement comes renewed pride; and with pride comes the feeling of unity which will give us the one army we seek."

"We shall continue to build along these lines, using the organizational material we now have at hand. We have no need to tear up the roots of our present Army system, which grew naturally as a part of our way of life, but only the necessity to increase confidence and mutual trust among all components and branches of the Army and thus be able to replace the images of the Regular and Guardsman or the Infantryman and Artilleryman with the single image of the SOLDIER."

Debbie's Proud

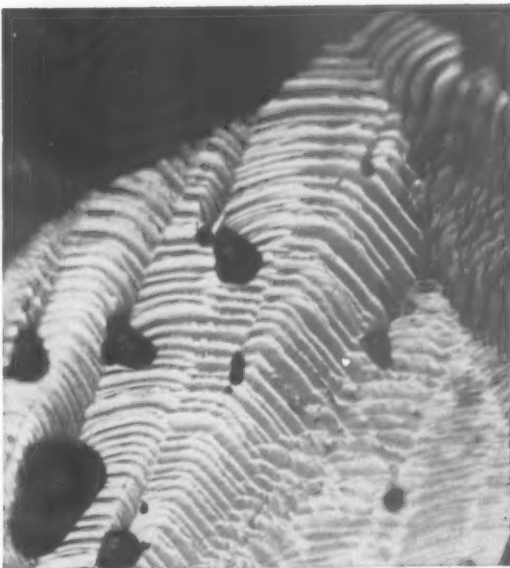


WITH Secretary Wilber M. Brucker looking over her shoulder, four-year-old Debbie Willey admires the Exceptional Civilian Service Medal presented to her father, Robert H. Willey, Director of Army Civilian Personnel.

The Army's highest civilian decoration honors a WWII officer who served on active duty with the Quartermaster Corps. Married to the former Maxine Mitchell of Sidney, Montana, Lieutenant Colonel Willey resides at 120 Olin Drive, Falls Church, Va. Debbie has two brothers, Robert, 16, and Timmie, 9.



The Hughes Communications Laboratories have as one objective the development of systems capable of deflecting their signals from meteors, artificial satellites and even the moon.



Photomicrograph of an etched silicon sphere is used in basic studies of semiconductor materials at Hughes Products, the commercial activity of Hughes Aircraft Company.

This plastic balloon, resting on a mobile trailer bed like a golf ball on a tee, protects the new Hughes three-dimensional radar antenna.

It is part of Frescanar, the exclusive system combining high-speed data processors and a frequency scan radar antenna, developed by Hughes for the U.S. Army air defense system.

Sensitive to the inadequacies of conventional radar, Hughes has devised a new radar antenna principle where the pointing direction is made sensitive to the frequency of the electromagnetic energy applied to the antenna. This frequency sensitivity results in the radar beam being radiated from the antenna at different angles, depending on the frequency of the energy supplied. With the supply of a succession of frequencies, the antenna beam can be moved through a succession of positions. Utilizing this greatly advanced technique... range, bearing and altitude can be detected... on a single antenna.

This Hughes-developed radar system has been combined with compact, high-speed Hughes data processors to provide a completely self-sufficient, mobile radar defense system... with traditional Hughes reliability engineered in.

At Hughes, reliability is the criterion that sets the value of a project. It's so with Advanced Airborne Electronics Systems, Space Vehicles, Nuclear Electronics, Subsurface Electronics, Ballistic Missiles... and many more. And it's so with research, development and manufacture of semiconductor devices and microwave tubes at Hughes Products, the commercial activity of Hughes.

In every Hughes activity, you will find reliability is of prime importance. To date, Hughes has delivered over \$2 billion in electronics systems and components... all designed and built to operate reliably under the most rugged conditions. This ability is a prime reason why Hughes is America's largest producer of military electronics.

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New Army Tank Put Through Chrysler Tests



THE Army's new M-60 medium tank prototype is put through its paces before shipment to the Army from the Chrysler Corporation's Defense Operations plant near Detroit.

The M-60, slated as a replacement for the M-48, is powered by diesel engines for greater mobility and operational range and carries a 105 millimeter gun which Army Ordnance officials believe will provide the necessary fire power to challenge successfully any armed vehicle in existence.

Secretary of the Army Wilber M. Brucker told the Association of the U. S. Army meeting in Washington that the M-60 "will defeat any existing tank, and will enjoy a widely increased operating range."

Yakutat Native Chosen Alaskan Aide

Secretary Wilber M. Brucker has appointed Elmer Edwin Rasmuson, 2811 Turnagain Boulevard North, Anchorage, as his first Civilian Aide for the new State of Alaska.

A native Alaskan, born in Yakutat, he is president of the National Bank of Alaska.

Mr. Rasmuson's appointment brings the total of Civilian Aides to 63 distinguished business and industrial leaders representing each State. They act as the Army's top civilian representatives in their respective communities. The Aides are provided with background and information on many major activities and programs of the Army to keep them abreast of important developments.

SAUDI TO ORD

Col. Pierre D. Boy is the new Commanding Officer 1st Brigade, (RFA Tng) at Ft. Ord, Calif.

His previous assignment was Detachment Commander for the Army Element of the U. S. Military Training Mission, Saudi Arabia.

Colonel Boy and wife, Anne, reside at Quarters 319, Presidio of Monterey, Calif., with their children Sarah, Jean, Anne, Mary and Donald.

L/C Star Is Benning Deputy

Lt. Col. John B. Star has been assigned as Deputy Operations Officer of the Army Infantry School at Ft. Benning, Ga.

He will fill a vacancy created by the promotion of Col. D. B. Porter, jr., to Operations Officer.

Colonel Star is married to the former Margaret Bailey. They have five children.

Sill Missile Center Cuts Control Span In Reorganization Under M/G Barnes

A new re-organization of the Artillery and Missile Center, Ft. Sill, Okla., will bring increased emphasis on the expanding surface-to-surface missile mission.

The new post organization includes four major units—previously there were 10—commanded by three general officers, under Maj. Gen. Verdi B. Barnes, Center Commander.

The office of Commanding General of Troops has been discontinued.

Under the new organization, major Center units will consist of the Artillery and Missile School, the 1st Field Artillery Missile Brigade, the Army Training Center, Field Artillery, and a newly-organized 2d Artillery Brigade.

Brig. Gen. Vonna F. Burger, former Civil Administrator of the Ryukyu Islands, Okinawa, has arrived at Sill to assume new duties as Commanding General of the Army Training Center and the 2d Artillery Brigade.

Brig. Gen. H. L. Sanders, formerly CG of Troops, has assumed command of the 1st FA Missile Brigade. Brig. Gen. E. S. Hartshorn, Assistant Commandant of the School, remains in his present position.

General Burger will have dual command of the Army Training Center and of the newly-organized 2d Artillery Brigade, which consolidates the Center's tube artillery troop units and conducts world-wide replacement training for

conventional artillery.

Assigned to the 2d Artillery Brigade are the present 214th and 41st Artillery Groups, the 2d Battle Group 30th Infantry, the 1st Ordnance Group, and the 45th Transportation Battalion.

The 1st FA Missile Brigade consists of the present Brigade with the addition of the 52d Artillery Group, commanded by Col. W. W. Beverly. Included in the 52d Group are two Corporal battalions, one Honest John battalion, and two battalions of the Army's newest surface-to-surface missile—the Lacrosse.

The Artillery and Missile School organization, under the command of General Hartshorn, will remain basically the same, with the addition of the School Command, under Col. Wayne Hardman. The Command was previously under Center control.

Other units remaining directly under Center command in the new organization are the Army Hospital, Transfer Point, Headquarters Battery, USAA&MC, and the 546th MP Company.

A Sill announcement said the new organization was designed for a three-fold purpose—to cut down the span of control at Center level from 10 to 4 major groups; to free the Center staff for additional policy and planning functions; and to bring additional emphasis on Sill's expanding surface-to-surface missile mission.

Army Reserve Boards Will Consider 1,094 For Captain; Other Selections Scheduled

AN Army selection board will meet 25 August to consider 1094 Reservists for permanent captain.

Selection boards have also been set for permanent major in September-October, and to permanent lieutenant colonel in October-November.

Zones of consideration will include Reserve officers, except MSC officers and

WAC majors, who will by 31 December 1960 complete the following years of promotion service: to captain, 4 years promotion service as first lieutenant and six years total service; to major, seven years promotion service as captain and 12 years total service, and to lieutenant colonel, seven years promotion service as major and 17 years total service.

Col. Sutherland Heads CCB

Col. James W. Sutherland has replaced Lt. Col. Alexander G. Fraser, jr., as Commanding Officer of the 3d Armored Division's CCB at Frankfurt, Germany. Colonel Sutherland arrived from the National War College, Ft. McNair, Washington, D. C.

Colonel Fraser becomes Division G-2.

Medical Board Action

A board to select Army Medical Service officers for temporary colonel was in session as THE JOURNAL went to press.

Eligible for consideration are active duty officers whose AUS Promotion Eligibility dates are on or before the following: Medical, Dental, Veterinary, and Medical Service Corps, 15 December 1959; and Army Nurse Corps, 31 December 1959.

Those eligible for promotion are listed in Army Circular 624-59, dated 10 July 1959.

Autonetics Computer Aids Army Tests

Computations necessary to determine results of Army field exercises will be speeded through use of a Recon computer Stanford Research Institute has purchased from Autonetics, a division of North American Aviation, Inc.

SRI will use the general purpose digital computer in its contractual work with the Combat Development Experimentation Center at Ft. Ord, Calif., the organization charged with the development of Tomorrow's Army.

The Institute has developed a method of utilizing Recon to speed computation of the effects of simulated artillery neutralization fire as applied to field exercises.

The portable computer can be taken into the field and placed in operation at the experimentation site. Data pertinent to the problem are placed in the memory disk prior to and during the actual running of the problem with computational results available within a matter of minutes.

Delivery is expected in September.

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U. S. ARMY ORDERS

Wilber M. Brucker—Secretary of the Army

Mark M. Milton, II—Under Secretary of the Army
Dewey Short—Assistant Secretary (Manpower & Reserve Forces)
Courtney Johnson—Assistant Secretary (Logistics)
George H. Roderick—Assistant Secretary (Financial Management)
Richard S. Morse—Director, Research and Development
General Lyman L. Lemnitzer—Chief of Staff

GENERAL OFFICERS—

Maj General

Lynde, Nelson M, jr, dtl Asst C of Ord Fld
Sve Div.
McLaughlin, Victor J, dtl Asst QM Gen for
Op.
Haltzworth, Bertram A, USARPAC, to Hq
Sixth USA, Presidio of SF.
Gathrie, John S, Wash, DC, to Hq XIV
USA Corps, Minneapolis.
Booth, Robert H, Ft Monroe, to Hq 2d Re-
gion USARADCOM, Ft Meade.
Verbeck, William J, Wash, DC, to Hq XIII
USA Corps, Ft Devens.
Wooten, Sidney C, Ft Devens, to USATC Inf,
Ft Dix.

Brig General

Cook, Earl F, dtl Asst Dep C Sig O, USA.
Jensen, Walter A, EUSA, to 2d Armd Div,
Ft Hood.

Col. Trainor CofS At Gordon

New CofS at the Army's Signal Train-
ing Center, Ft. Gordon, Ga., is Col.
Thomas J. Trainor. He replaces Col. Er-
ling J. Foss, assigned as Signal Officer
of the XVIII Airborne Corps at Ft. Bragg,
N. C.

Colonel Trainor and his wife, Margaret,
live at Qts. 16, Maglin Terrace, Ft. Gor-
don. They have three sons Thomas M.,
20, a student at the University of Vir-
ginia, Timothy J., 17, a student at Fish-
burne Academy in Virginia, and Terrence
J., 15, who will enter a local Augusta
school.

Hammer, Stephen B, dtl Dep C of E for Mil
Operations, USA.

Carlson, Gunnar C, dtl Asst C of Ord (In-
dustrial Div) USA.

Monahan, John C, Arlington, Va, to Office
of the CSO USA, Wash, DC.

Von Kann, Clifton F, USA ODCSOPS USA,
Wash, DC, dtl to dy on AGS, eff 20 Jul.

Hardick, William L, Wash, DC, to Hq 2d Inf
Div, Ft Benning.

INFANTRY—

Colonel

Lonning, Stanley N, Monterey, to OUSARMA
Am Embassy, Rio de Janeiro, Brazil.

To USA ADGRU Korea, Yongsan
Swift, Eben F, Chicago.

Van Sickle, Clifford J, Ft Benning.

Watt, John, Ft Devens.

Lt Colonel

Jones, James B, Ft Benning, to USA Elm
JUSMAG, Thailand, Bangkok.

Shelton, Alford C, Ft Benning, to USA Spt
Gp for Korea Depn Housing, Seoul.

Major

Emerson, John E, jr, San Francisco, to
ARMISH/MAAG, Teheran, Iran.

Beunders, Alfred M, Cincinnati, to USA Elm
JUSMAG, Thailand, Bangkok.

New A.G. For 8th Division

Lt. Col. John F. Philp has been as-
signed 8th Infantry Division Adjutant
General in Germany, replacing Lt. Col.
John F. Bradshaw, reassigned to The Ad-
jutant General's Office, Washington, D.C.

Colonel Philp, who has a Masters De-
gree from Forham University and is a
graduate of both the AG School and the
Command and General Staff College, had
been Deputy AG of the Army Air De-
fense Command at Colorado Springs,
Colo.

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Journal.

Kirchhoff, William A, Salem, Oreg.
Rice, Lowell O, San Francisco.
Shepherd, Harold K, Monroe, La.
Carroll, Elmo D, Natchitoches, La.

Captain

Wright, John W, Stillwater, Okla, to USATC
Inf, Ft Dix.

McKelvey, Vincent T, Rutland, Vt, to 2d Inf
Div, Ft Benning.

Nelson, George W, Bordentown, NJ, to 82d
Admin Co, Ft Bragg.

Campbell, Gordon W, Modesto, Calif, to Hq
USA Gar, Ft McClellan.

Bock, Joseph J, Fond du Lac, Wis, to USA-
INTS, Ft Holabird, Md.

Walk, Kenneth K, Ft Sam Houston, to Stu
Det USAGSC, Ft Leavenworth.

Girdner, Ralph W, Seoul, Korea, to Det 7
USA ROTC Instr Gp, Pa Lafayette College,
Easton, Pa.

—Continued on page 15

Army Navy Air Force Journal
8 Aug. 1959 (Vol. 96, P. 1487)

BERLIN CHANGES

Col. John F. P. Hill is the new
Allied Staff Berlin CofS following
departure of Col. Bernard G. Teet-
ers, for Ft. Benning, Ga.

Colonel Hill previously was a
student at the National War Col-
lege.

Lt. Col. Warren J. King, previ-
ously assigned to the Quar-
termaster Division of the former
Western Area Command at Kaiser-
lautern, Germany, has succeeded
Lt. Col. Robert A. Trenemann as
Berlin Command, G-1.

NEWS IS HAPPENING AT NORTHROP



Radioplane drones shown left to right: XQ-4B; RP-76; RP-77D; OQ-19; SD-1

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Navy-Marine August Boards Will Pluck More Than 1,000 From Active Duty

BOARDS will convene beginning next week to consider Navy captains and commanders and Marine Corps colonels and lieutenant colonels for involuntary retirement under the Hump Bill.

The captain board, which meets about 15 August, will pluck 305 officers from active duty. It will be comprised of the same members (THE JOURNAL 18 July) that selected four-strippers for rear admiral (THE JOURNAL 25 July).

To be considered for non-retention are captains in their fifth or later year in grade. Officers chosen for retention will not again be placed in a continuation zone. Those "selected out" will be retired on 30 June 1960, unless they request earlier retirement.

The Marine Corps colonel retention board sits 10 August to consider unre-

stricted officers who have been passed over at least twice, along with SDO colonels who will have 27 years service on 30 June 1960. The board is authorized to choose as many as 17 unrestricted colonels and one SDO colonel for continuation on active duty. The 17 unrestricted colonels represent about a fifth of the total number that will have their records reviewed by the board.

Membership of the colonel continuation board has not yet been announced.

The three-stripe continuation board will meet when the board to choose commanders for promotion to four-stripe rank concludes its deliberations. The four-stripe board, originally slated to sit 28 July, has been postponed until 11 August so that the Navy will know which officers have been twice passed over, thus

making them eligible for non-retention. The board members that select three-stripe officers for increased rank, will be re-assigned as members of the retention board.

More than 600 three-strippers will be weeded out.

The Marine Corps said that no lieutenant colonel who has at least two pass-overs following the FY '60 selection board will be recommended for continued active duty.

The lieutenant colonel to colonel board convened 13 July and its members will serve on the continuation board. The board will remove from the active roll all lieutenant colonels with two or more failures of selection who have 20 years service on 30 June 1960. The effective date of their retirements will be at the end of the Fiscal Year, unless they elect

earlier retirement.

The Corps' major to lieutenant colonel selection board, which was to have met 3 August, has been postponed until 17 August. Its members, as is the case with the lieutenant colonel to colonel board, will be reconstituted to act as retention board members.

Both the Navy and the Marine Corps said that boards scheduled to choose officers in junior ranks for increased rank will be convened as scheduled.

No officers in the Medical, Dental, Medical Service or Nurse Corps will be affected by the continuation process.

Under terms of the Hump Bill, officers who are selected for removal from the active lists receive a lump sum payment of \$2,000 upon retirement, including those who elect early retirement before the end of the Fiscal Year.

CONGRESS SPEEDS ASW PROGRAM

CONGRESS has approved an additional \$137.3 million appropriation to speed Navy anti-submarine warfare progress.

The funds are earmarked for eight programs.

In the research, development, test and evaluation area, \$13.8 million is provided for Sikorsky HSS-2 helicopters; \$4 million has been approved for a drone weapons carrier (a helicopter launched from a destroyer), and \$3.5 million is for sonobuoys and Jezebels.

In the shipbuilding and conversion area, \$49 million is provided for a nuclear submarine, \$13.2 million for ASROC (an anti-submarine rocket), and \$2 million for ASW fire control equipment.

The remaining money, \$6.8 million, is for the procurement of Lulu depth-charges.

The new Sonobuoys (underwater listening devices which are dropped from planes) will have increased range over those now in use.

Missile Test Billet For Capt. Sweeney

Capt. William E. Sweeney has succeeded Capt. C. H. S. Murphy as the Naval Missile Center Commander and Director of Tests and Evaluation at the Pacific Missile Range, Point Mugu, Calif.

Captain Murphy has retired after 28 years' service in the fields of aviation, electronics and guided missiles and will become Assistant to the President of the Emerson Electric Manufacturing Company in St. Louis.

The new Missile Center Commander reports aboard from Washington, D. C. where he has served with the Bureau of Aeronautics as Director of Avionics.

Capt. J. G. Smith Heads Air Development Sqdn.

Capt. Joseph G. Smith, has relieved Cdr. James A. Riner, jr., as Commanding Officer of Air Development Squadron FOUR at the Naval Missile Center, Point Mugu, Calif.

Commander Riner will resume duties as Executive Officer.

Capt. Smith, credited with the first sighting of the Japanese Fleet in the Battle of the Coral Sea, reported from the Naval War College, Newport, R. I.

Reserve and Advanced Pilots Use Sidewinder

Inert Sidewinder missiles are being assigned to Navy and Marine Corps Reserve Squadrons and the Naval Air Advanced Training Command, NAS Corpus Christi, Tex., for training purposes.

Enlisted men will receive practical training in missile assembly, maintenance and loading.

First Reserve squadrons to get the heat-seeking Sidewinder will be those at the Glenview, Ill., Dallas, Tex., and Los Alamitos, Calif., Naval Air Stations.

The Navy said that ultimately all Reserve jet fighter squadrons will receive the missile.

The Naval Air Advanced Training Command, headed by RADM. Joseph C. Clifton, trains pilots in tactical operations and gunnery, using Fleet-type aircraft.

The Reserve and Advanced training pilots will use the air-to-air weapon in all phases of its operation short of actual firing. The Advanced Command will be allotted a limited number of live missiles each month for practice shots.

Navy Flyer Is Named Lockheed Sales Asst.

Roland R. Witte, of 4903 Odessa Avenue Encino, Calif., a WWII Navy pilot, has been named Assistant to Vice President-Sales by W. G. Meyers of the Lockheed Aircraft Company.

An economics graduate of the University of Pennsylvania, Mr. Witte was credited with destroying five enemy planes in the Guadalcanal Campaign and received the DFC and two Presidential Unit Citations. He has been a sales representative at Lockheed since 1956.

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U. S. MARINE CORPS ORDERS

Commandant—General Randolph McC. Pate
Assistant Commandant—Lt. Gen. Verne J. McCaul
Chief of Staff—Lt. Gen. Robert E. Hogaboom

COLONEL

Riche, Hulon H, ComSeventhFlt, to MCB, CamPen.

Larsen, Carl V, NAS, Quaoan Pt, to Flag Ship Seventh Flt.

LT COLONEL

Griffin, Louis C, 3d Mar Div, to FMFLant.

Reusser, Kenneth L, 3d Mar Div, to MCS, Quant.

Lundin, William M, HqMC, to NROTC Unit, Univ of Mich, Ann Arbor.

Daniel, Homer L, HqMC, to USA AVN Bd, Ft Rucker.

From 1st MAW, to Station Indicated

Horst, Henry W, MCAS, CherPt.

Johnson, Dan H, 2d Mar Div.

Nowadnick, William R, HqMC.

MAJOR

Patee, Will S, jr, HqMC, to MCB CamLej.

Winter, Conrad G, Air FMFPac, to 1st MAW.

Krumm, George A, 2d MAW, to MCS, Quant.

Seaback, Frank E, Moscow, Idaho, to MCS, Quant.

CAPTAIN

Goodiel, Carlton D, jr, 2d Mar Div, to USS Canberra.

Hansford, John R, 2d MAW, to 1st MAW.

Hennessy, John A, Ft Holabird, to MarPac.

Gregerson, Johnny O, For Trps FMFPac, to Flagship, PhilRon 3.

Newman, Jack W, Wash, DC, to Army Lang

Scol, Monterey, Calif.

Bittick, William C, jr, HqMC, to MCB Cam Lej.

Glazer, August A, MCS, Quant, to NavIntel

Scol Nav Sta, Wash, DC.

Hunter, Paul R, NAS, Pncla, to 3d MAW.

Schroeder, John W, 3d Mar Div, to ForTrps

FMFLant.

Williams, Frank P, jr, Kingsville, Tex, to 2d MAW.

Egger, Charles H F, NAS Pncla, to 2d MAW.

Graham, Edward T, jr, 3d MAW, to Air

FMFPac.

Love, Errol G, MCS, Quant, to HqMC.

McPhillips, Joseph A, MCB CamPen, to NPP

Indian Head, Md.

Thomas, Gerald C, jr, Wash, DC, to US

Taiwan Def Com, Taipei.

To 3d Mar Div

Palmer, Robert P, 2d Mar Div.

Stanley, John R, Barstow, Calif.

Rhine, Wesley E, HqMC, to 3d Mar Div.

Palmer, Robert E B, HqMC, to 3d Mar Div.

To 1st Mar Div

Bergey, Hugh W, 2d MAW.

Lendon, Richard, 3d Mar Div.

Toner, Edward R, USS Bon Homme Richard.

Hardin, Harley S, Long Island City.

1ST LIEUTENANT

Bamble, Eugene A, MCRDep, S Diego, to

USS Cavalier.

Lewis, Ernest P, jr, MCR Dep, S Diego, to

USS Washburn.

Ball, William R, Wash, DC, to Army Lang

Scol, Monterey.

Murty, James B, USS Cavalier, to MB NNS

YD Ptsmh, Va.

Schlesinger, Norton J, to 2d Mar Div.

Skinner, James L, 1st MAW, to MCS, Quant.

Stauch, Victor D, jr, ForTrps FMFLant, to

Engr Scol, Ft Belvoir.

Zetena, Robert T, Ft Holabird, to MCB Cam

Lej.

Bruce, Robert C, ForTrps FMFPac, to MCB

CamLej.

Williams, Benjamin D, 3d, ForTrps FMF

Lant, to USS Bon Homme Richard.

L/C Johnson Named Exec.

Lt. Col. Richard S. Johnson, Third Training Battalion Commander, Marine Corps Recruit Training Depot, Parris Island, S. C., has succeeded Lt. Col. O. J. Peatross, Executive Officer, Recruit Training Regiment.

Colonel Peatross goes to Marine Corps Schools, Quantico, Va., to attend the Senior Course.

Clancy, John J, CorpC, to 1st MAW.

Hayes, Charles H, MCRD PI SC, to MCB

CamLej.

Houle, Frederick J, jr, 3d Mar Div, to US

Arty & Missile Scol, Ft Sill.

To 3d Mar Div

From 1st Mar Div:

Harrison, Kenneth P, Rodenbach, Wm J

To 2d MAW

Dalrymple, Donald A, MCAS, CherPt.

Escalera, Daniel C, NAS Pncla.

From Kingsville, Tex:

Snyder, Brock R, Piper, Arthur S

Wheeler, Thomas M

To 3d MAW

Langford, Kenneth W, 1st MAW, to 3d MAW

Spars, Earl W, Whiting Fld, Fla.

From Kingsville, Tex:

Cox, Harold E, Davis, Robert D

Davis, Donald L, Gash, William J

2D LIEUTENANT

Roberts, Roberta N, MCB CamPen, to HqMC

Paulson, Raymond C, 2d Mar Div, to MCB

CamLej.

From MCS, Quant, to Station Indicated

Barry, Albert P, 3d Mar Div.

Thatcher, Arthur D, jr, USS Hancock.

To MAD NABTC NAS Pncla

From MCS, Quant:

Durdan, James H, Winters, Jerome C

Honeycutt, James G

To MCS, Quant

Hodges, Arthur C, 3d Mar Div.

From NAS, Pncla:

Magan, John J, Vaughan, Stuart B

To 2d MAW

From Kingsville, Tex:

Klinges, John J, Flynn, Hugh T

Russell, A, jr, Riddell, Bruce A

From Beeville, Tex:

Arrington, James B, Sanders, James W

Carbray, Samuel E

To 3d MAW

Hensley, Gilbert L, NAS, Pncla.

From NAS CorpC:

Coxe, Charles R, Pope, William E

Dahl, Marshall H

From MCS, Quant:

Davis, Phillip J, Maloney, Paul G

CHIEF WARRANT OFFICER

Johnner, W-2 Anton M, MCB CamPen, to

Mar Div.

RETIRED

White, Col John A

Mitchener, Col Harold J

Houston, Lt Col William A, jr

Blue, Maj John H

Brinkley, Capt Joseph C, to temp disab

list.

Gutterman, 1st Lt John D, to temp

ret list.

Grubbs, CWO-2 Mance D

Slavin, CWO-4 Leo F



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 Fred A. Bantz—Under Secretary of the Navy
 James H. Wakelin, jr.—Assistant Secretary (Research & Development)
 Cecil P. Milne—Assistant Secretary (Material)
 Richard Jackson—Assistant Secretary (Manpower, Personnel & Reserve Forces)
 Admiral Arleigh A. Burke—Chief of Naval Operations

CAPTAIN

Cuthrell, Warren F (ChC), DistChaplain 4ND; to DistChaplain 12ND.
 Crenshaw, William R, CofS and Aide and Opr ComCruDiv One; to OrdSupt Norfolk NavShipYd.
 Green, Robert R, ComDesDiv 42; to ComDes Div 62.
 Hess, Franklin G, Staff CinCPacFlt; to CO NROTCU Univ of Calif.
 Heywood, Carl W, MATS Scott AFB; to ONR NavDept.

Payne, Thomas B, CO NAS Quonset Point; to OpNav.
 Vegeley, Theodore R, ComDesRon 21; to Nav Hosp SDiego Trmt.

COMMANDER

Bailey, Frederick H, NAVSECGRUHECTACTY WASHDC; to 8ND.
 Boyne, Philip J (DC), FIFTH DENTALCO FORTRP FMFPAC; to NAVDENTAL CLINIC NAVWPNTPLANT WASHDC.

8 Aug. 1959 (Vol. 96, P. 1489)

Army Navy Air Force Journal 9

New Skipper Takes Missile Ship To Med

The world's first guided - missile cruiser, Boston, was enroute to join the Sixth Fleet in the Mediterranean this week with Capt. Joseph F. Enright, at the helm.

He relieved Capt. Luther C. Heinz 30

July at Boston Naval Shipyard.

Captain Enright, USNA '33, had been CofS and Aide to the Commander of the Atlantic Submarine Forces.

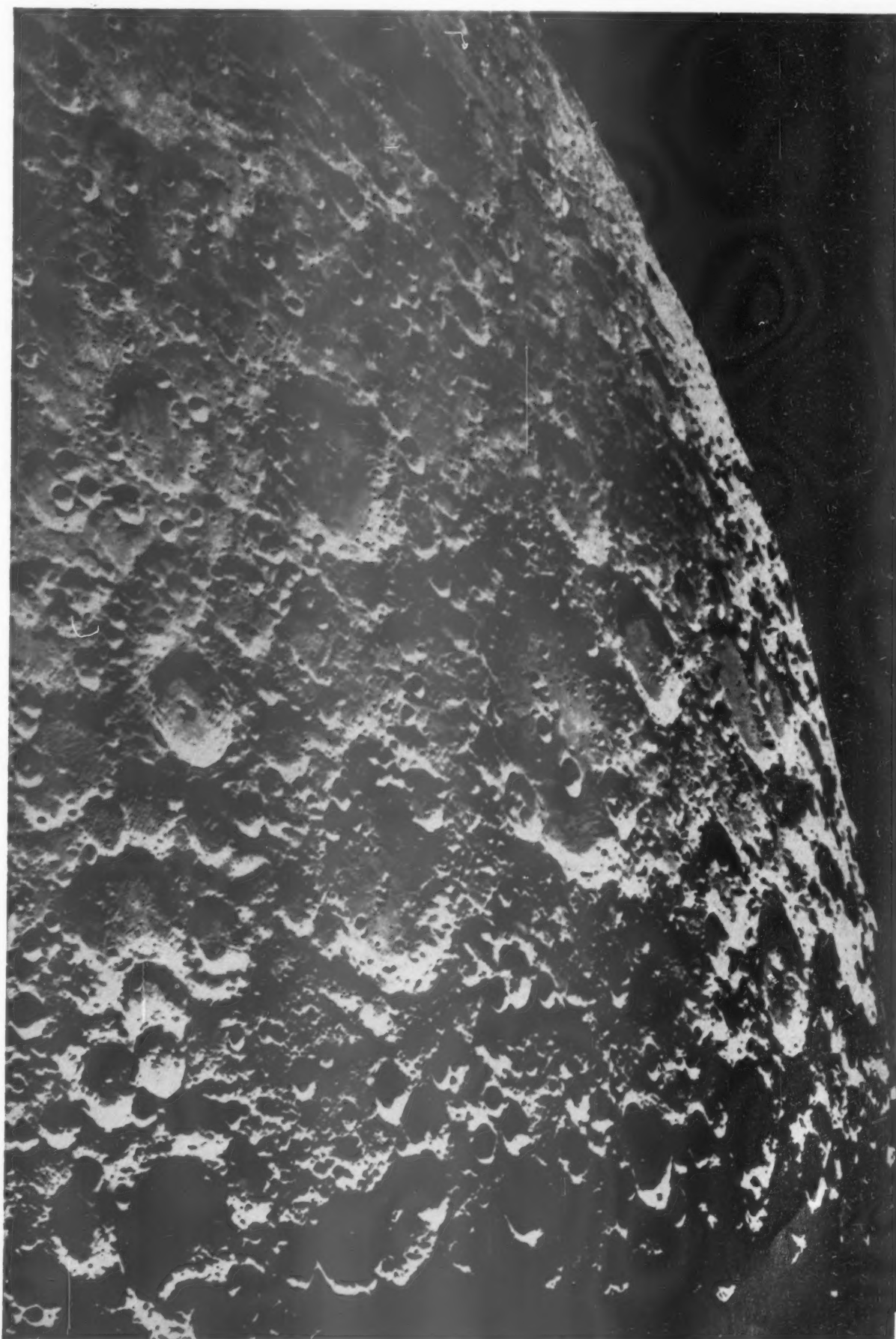
Captain Enright has one son, Joseph F. Enright, jr., who was graduated from West Point in June. The Captain and Mrs. Enright, the former Miss Virginia Robertson of Portsmouth, Virginia, reside in New London, Conn.

Captain Heinz will assume duties as CofS and Aide to the Commander of Pacific Fleet Cruisers and Destroyers. Captain Heinz, his wife and their daughter will reside in Hillsborough, Calif.

—Continued on page 27

THE MILITARY REQUIREMENTS FOR MOON BASE

This is the title of one of four major space proposals developed by Martin for the military and astroscientific branches of our Government. The importance of this proposal is two-fold: the inevitability of an actual moon base program by this country within the next 5 years, and; the fact that we could and can undertake such a project now—not in theory but in "hard" engineering design. For Martin's eight divisions add up to one of the top capabilities in the free world for man's first ventures in space-planetary exploration.



MARTIN
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Maj. Lathrop Heads Test Pilot School

Maj. Richard C. Lathrop is the new Commandant of the Air Force Experimental Flight Test Pilot School at Edwards AFB, Calif.

He succeeds Col. Herbert Leonhardt, who departed for the Air War College, Maxwell AFB, Ala.

Chief of the Training and Operations Branch since May 1956, Major Lathrop has been at the Test Pilot School since October 1955 when he arrived at Edwards as a student. He had previously served four years at Wright-Patterson AFB, Ohio, in the Directorate of Flight and All-Weather Testing.

A Command Pilot with about 3600 flying hours in approximately 50 different types of aircraft, Major Lathrop holds a BS, MS, and PhD in Electrical Engineering from the University of Wisconsin.

Major Lathrop's wife, the former Barbara J. Cousins of Mobile, Alabama is a Captain in the Air Force Reserve and served on active duty as an Air Force Flight Nurse from January 1953 until December 1956. They live at Edwards.

Northrop Freedom Fighter Beats Mach 1 First Try

The successful maiden flight of Northrop's N-156F Freedom Fighter on 30 July saw the twin-engine multipurpose fighter go through the sound barrier at the Edwards AFB, Calif., Air Force Flight Test Center, less than 40 minutes after leaving the runway.

Transition from subsonic to supersonic speed was so smooth it was detected only by watching the instruments, Lew Nelson, Chief Engineering Test Pilot for Northrop's Norair Division, reported.

He said the fighter's clean aerodynamics, similar to those of its sister aircraft, the Air Force's T-38 Talon supersonic trainer, were responsible for its uneventful debut in Mach 1 performance.

The versatile, lightweight all-weather fighter was developed by Norair for the Department of Defense to meet the airpower requirements of the free nations for a modern, high-performance, high-economy aircraft. It marks the first application of U. S. funds and technology to a weapon system specifically designed for use by allied air forces.

N-156F is expected to provide an ultimate speed capability of Mach 2 with engine improvements now in development.

Take-off weight is slightly more than 12,000 pounds, one-half to two-thirds that of current Century Series fighters. Range, with external fuel tanks, is more than 2,000 nautical miles.

The N-156F is powered by General Electric J-85 turbojet engines which have a high thrust-to-weight ratio. With modifications, the fighter can use other similar powerplants, such as the Pratt & Whitney J-60 and the Rolls Royce RB-145.

With the debut flight, the N-156F joins two Air Force-Northrop T-38 Talon supersonic trainers which have logged a total of more than 50 test flights from Edwards.

The T-38 and N-156F are products of the same Northrop design family. They are aerodynamically similar, and have identical powerplants and primary airplane systems. About 80% of the parts in both types are interchangeable.

L/C Kafer Goes To Ohio

Sixteenth Air Force's Executive Officer, Lt. Col. Ernest E. Kafer has left Spain for duty with the 801st Air Division at Lockbourne AFB, Ohio.

The former Deputy Commander of Sixteenth Air Force, Brig. Gen. William E. Creer, commands the 801st.

FLORIDA TO GREENLAND

Col. Cornell J. Lupear, 321st Bomb Wing Director of Operations at McCoy AFB, Fla., will become Director of Materiel for the 4083d Air Base Wing, Thule AB. He is due at the Greenland base in mid-August.

Col. Townsend Leads Pathology Institute

Col. Frank M. Townsend, USAF (MC), is the new Director of the Armed Forces Institute of Pathology, Washington, D. C.—the first Air Force officer to hold this post.

He had been Deputy Director of the Institute since 1955, after service as Chief of the Laboratory Service and Assistant Chief of the Medical Service at Lackland AFB Hospital, Tex.

Colonel Townsend, who is also a flight surgeon, has specialized in aviation pathology.

He succeeds Capt. William M. Silliphant, USN, who will join the faculty of the University of California Medical School after retirement in September.

With his wife, Ann, and two sons, Bob, 6, and Frank, jr, 16, Colonel Townsend resides at 11511 Lovejoy St., Silver Spring, Md.



Col. Townsend

Ricks Race Set For 2 September

Pilots from 10 Air National Guard tactical reconnaissance squadrons will compete for the 1959 Ricks Trophy in a timed photo mission from Memphis to Miami, on 2 September.

The event, sponsored by the Air Force Association in honor of the late Maj. Gen. Earl T. Ricks, former Chief of the Air National Guard, will signal the opening of AFA's annual Convention at Miami Beach, 3-6 September.

Originated as a point-to-point speed run in 1954, the Ricks event now takes the form of a simulated combat mission in which the tactical proficiency of each pilot is more important than speed alone.

Squadrons to be represented in this year's event are the Air National Guard's 105th tactical reconnaissance squadron, Nashville; 106th, Birmingham, Ala.; 107th and 171st, Detroit; 153d, Meridian, Miss.; 155th, Memphis; 160th, Montgomery, Ala.; 174th, Sioux City, Iowa; 180th, St. Joseph, Mo.; and the 184th, Fort Smith, Ark.

Flying Republic RF-84Fs, the 10 pilots will take off from Memphis Municipal Airport at six minute intervals beginning at 11:00 a.m. (CST) 2 September. Before landing at Miami International Airport about an hour and 40 minutes later, each pilot will be required to take aerial photos of at least three of eight designated "targets," including as a mandatory requirement the State Capitol of Tallahassee, Fla., and MacDill AFB, Fla.

B/G Hoisington From 57th To 820th AD Command

Brig. Gen. Perry M. Hoisington, II, 57th Air Division Commander at Westover AFB, Mass., has been given command of the 820th Air Division at Plattsburgh AFB, N. Y.

His successor, Col. John C. Meyer, is expected at Westover early this fall after completion of transition training to the B-52 at Castle AFB, Calif. He had been on the Staff of Air War College at Maxwell AFB, Ala.

During the interim, Col. O. F. Bassiter, 99th Bomb Wing Commander, will assume additional duties as Air Division Commander.

Maj. Reichman Of George Wins \$1,500

Maj. Omer J. Reichman has won top prize of \$1,500 in the first Air Force-wide Military Suggestion Program. He is assigned to the 479th Tactical Fighter Wing, George AFB, Calif.

His winning suggestion was to modify the pilot burner used on jet aircraft in order to increase afterburner performance and to preclude excessive coking of the pilot burner liner.

The Air Force estimates that the Major's suggestion will result in first year savings of \$336,770, with long-range savings passing the \$5 million mark.

Second place winner is S/Sgt. William H. Carlisle of the 429th Air Refueling Squadron, Langley AFB, Va. He received \$1,000 for suggesting improvements on the Refueling Para-Drogue that provide a greater degree of drogue stability while, at the same time, reducing the number of torn canopies. His idea, which will be adopted on an Air Force-wide basis, will result in first year savings of nearly \$100,000.

S/Sgt. Jerome H. Canady, of the 67th Field Maintenance Squadron, APO 328, San Francisco, Calif., earned the \$500 third place award for a new mount bracket on the upper deck reference solenoid for the R-4360 engine on the Boeing B-50. The bracket eliminates engine failures resulting from over-speeding when a line is broken off the solenoid valve. First year savings are estimated at about \$153,000.

The \$350 fourth place prize goes to

S/Sgt. Harold A. Busby, assigned to the 8th Bomb Squadron, APO 994, San Francisco, Calif. His suggestion was to reduce the number of tow reel and tow reel air turbine motor replacements. His new system will result in first year savings of about \$370,000.

President Names USAF Lieutenants

President Eisenhower has nominated the following officers for promotion to first lieutenant in the Regular Air Force:

LINE

Adams, Ralph E	Brownwood, David O
Adolph, Calvin B	Buntschuh, Robert F
Allen, Charles F, 2d	Burke, David P
Allen, Edgar D	Burkett, Robert V, jr
Anessi, Thomas J	Carter, James A
Auch, Donald J	Cervantes, Manuel, jr
Avey, Donald B	Clark, James C
Barrett, Robert F	Clarno, John T
Bartke, Albert C	Cole, George F
Bass, John R	Corbin, Richard B, jr
Beery, Raymond E	Corrigan, William J
Berrigan, Robert B	Cotter, Lawrence R
Berry, Bobby L	Cronk, Donald R
Berry, Richard C	Culver, Donald A
Billman, C M, jr	Daisley, Roger W
Bliss, Alonzo O, 3d	David, Frank C
Boyer, Earle O	Davis, Roy L
Brashear, William J	Dennany, James E
Brewer, Allen J	Derhammer, Ned E
Brodie, Richard N	Dickson, Henry A

—Continued on page 23

U. S. AIR FORCE ORDERS

James H. Douglas, Jr.—Secretary of the Air Force
Dudley C. Sharp—Under Secretary of the Air Force
Philip B. Taylor—Assistant Secretary (Material)
Lyle S. Garlock—Assistant Secretary (Financial Management)
Joseph V. Charyk—Assistant Secretary (Research & Development)
General Thomas D. White—Chief of Staff

MAJOR GENERAL

Eaton, Robert E L, prev ord IATR "Report not later than 24 Aug."
Stevenson, John D, Comdr, CADF & Comdr, Central No Am AD (Cont AD) Region; asg Hq WADF, ADC, Hamilton AFB, dy as Comdr, WADF & addl dy Comdr, Western No Am AD (Continental AD) Region, 30 Nov.
Wallace, James H, patient USAF Hosp, Sheppard, ATC, ret 31 Jul.

BRIGADIER GENERAL

Cecil, Chester W, prev ord IATO "Report not later than 5 Aug."
Cunningham, Joseph A, Depy Comdr, ARS, MATS, Orlando AFB; asg dy as Comdr, ARS, on dep BrigGen Thomas J DuBose.
Dreyer, Christian F, Depy Dir Civil Engr, Hq USAF, WashDC; asg Hq AMC, Wright-Patterson AFB, dy as Civil Engr, AMC, 1 Sep.
Hester, John K, CofS, 2 AF, SAC, Barksdale AFB; asg Of DCS/O, Hq USAF, WashDC, dy as Dir for Op Forces, 15 Sep.
Lee, William, Comdr, Amarillo Tech Tng Ctr; ret 31 Jul.
McElroy, Stephen D, Comdr, CAP, CONAC, fr dy sta Bolling AFB; asg dy sta Ellington AFB.
Newcomer, Henry C; VO confirmed: fr Hq 50 Tac Ftr Wg, USAF, APO 83, NY; asg Turkey US Logistic Gp, USAF, APO 234, NY, 11 Jul.
Preuss, Paul T, prev ord IATR "dy as Depy Dir of Res & Dev."

COLONEL

Berry, James D, WashDC; asg Hq 36 Tact Ftr Wg, USAF, APO 132, NY; POR.
Smith, John H M, WashDC; asg 3894 Sch Gp, AU, Maxwell AFB, dy sta ICAF, Wash DC.

LIEUTENANT COLONEL

Bard, Paul F, APO 125, NY; asg dy sta Mobile AMA, Jupiter Eur Fld Of, APO 633, NY.
Brewer, Lonnie C, WashDC; asg Hq 2 Weather Wg, MATS, APO 633, NY.
Carter, John D, WashDC; asg Hq PACAF, APO 953, SF.
Gelsen, Kenneth E, WashDC; asg Hq USAF (adv Ech), APO 12, NY.
Hess, Ulysses W, Holloman AFB; asg Patient Pipeline, USAF Hosp, Lackland AFB.

L/C Benedict Is Inspector

Lt. Col. William P. Benedict has arrived at Williams AFB, Ariz., from Misawa AB, Japan, to assume duties as the Inspector for the 4530th Combat Crew Training Wing. He is married to the former Mary H. Culbert of Victoria, B. C.

Col. Wood Commands Group

Col. Allen H. Wood will command the 2465th Air Base Group at Minneapolis-St. Paul International Airport this month. He has served as ConAC's Director of Training since April 1958. Prior to that he was assigned as ConAC's Chief of Information Services at Mitchel.

Colonel Wood is married to the former Olive G. Thompson of Tucson. They have three children, Scott, 12; Lynne, 9; and Leigh, 7.

Gonzalez, Horace R, Stewart AFB; asg AD (SAGE) (ADC), Dobbins AFB.
Holsey, Seton T, Central Control Gp (OSD), Hq USAF, WashDC; asg Hq 13 AF, PACAF, APO 74, SF, dy sta Det 1, APO 63, SF, with US Taiwan Def Comd.
Knapp, Robert H, WashDC; asg Hq 3555 Fly Tng Wg, ATC, Perrin AFB; POR.
Lewis, Jack M, MacDill AFB; asg Hq 57 AD (SAC) Westover AFB.
McCurdy, John W, Holloman AFB; asg Hq Arnold Engr Dev Center, Tullahoma.

MAJOR

Clark, Roy T, jr, Holloman AFB; asg Hq ARDC, Andrews AFB, dy sta AFBM Div, Inglewood, Calif.
Conley, George L, Gadsden AF Stn; asg 6146 AF Adv Gp (PACAF) APO 76, dy at PROV MAAG-Korea, APO 301, SF.
Fisher, Albert I, Hill AFB; asg 7410 Explosive Ord Disposal Sq, USAF, APO 633, NY.
Glover, George B, jr, Moody AFB; asg 7310 Suppt Gp (AFE), APO 57, NY.
Grewe, Glenroy G, Havre AF Stn; asg 394 Acft Cont & Warn Sq, ADC, Lewistown AF Stn.
Thomas, William H, WashDC; asg Hq 3 AF, USAF, APO 125, NY.
Walls, Wade C, Boeing Airplane Co, Wichita; asg 405 ABG, PACAF, APO 74, SF.

CAPTAIN

Bird, Grant M, Holloman AFB; asg Hq 2d AD, USAF, APO 616, NY.
Fronkier, Henry B, Holloman AFB; asg Hq AF Spec Wpns Ctr, Kirtland AFB.
Michael, Gordon G, Offutt AFB; asg 72 Bomb Wg (SAC), APO 845, NY.
Venable, William P, jr, Ent AFB; asg 3535 Stud Sq (ATC), Mather AFB.

1ST LIEUTENANT

Whited, Charles R, Holloman AFB; asg 3301 Pilot Tr Gp (Contr Prim) ATC, Moore AB.

2D LIEUTENANT

Bowman, William C, Seymour Johnson AFB; asg 4504 Msl Tr Wg, Orlando AFB.

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B.

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asg 3535

asg 3301
Moore

on AFB;
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Air Force Association Urges "More Military Experience" In Industry

The Air Force Association, called before the Hébert Subcommittee to answer questions concerning its activities, went on the offensive to urge greater use of retired Service officers in the Nation's defense effort.

At the same time, the AFA criticized anew what it calls "the arsenal concept" of defense production. "The day is past," said AFA President Peter J. Schenk, "when the requirement for a major weapon system is set up by the military and passed on to industry to build the hardware."

President Schenk said "today, it is more likely that the military requirement is the result of joint participation of military and industrial personnel, and it is not unusual for industry's contribution to be a key factor."

Mr. Schenk told the Hébert group that "there are highly placed military men who sincerely feel that industry currently is setting the pace in the research and development of new weapons."

On the need for expanded use of retired officers, Mr. Schenk declared that they represent "one of our great defense

resources." He noted that in the case of general officers, the Senate by confirmation action on promotions has certified their "competence and integrity."

American industry, relying heavily on the talent and experience of retired military officers, is a major asset in the nation's defense effort, the Air Force Association testified last week before the Subcommittee for Special Investigations of the House Armed Services Committee.

"The arsenal concept has become as outmoded as trench warfare," the committee was told by Peter J. Schenk, AFA

president. Mr. Schenk and James H. Straubel executive director of the association, were called as witnesses in the committee's inquiry into the employment of retired personnel by defense industries.

"The day is past," Mr. Schenk told the committee headed by Rep. F. Edward Hébert, (D-La.), "when the requirement for a major weapon system is set up by the military and passed on to industry to build the hardware. Today, it is more likely that the military requirement is

—Continued on page 18

Grabb, Russell V T, Brookley AFB; asg 7425 Supply Gp (USAFE), APO 109, NY.

CWO

Edwards, Ralph L (W2), Moody AFB; asg 6314 AB Wg (PAF), APO 970, SF.

FORMER ORDERS REVOKED—

Kiger, Maj Eugene C, jr, WashDC; to Hq ACSC, AU, Maxwell AFB.
Steadman, Col Beverly E, WashDC; to dy sta Det 2, AFBMD, AF Unit PO, Los Angeles 45.

AWARDED GUIDED MISSILE INSIGNIA—

Ewing, Col Clair E; MacAaron, Maj Kenneth A; Brentnall, Capt Brentnall.

RETIRED—

Colonel

Bailey, Wilbur W.
Bramlitt, Charles H.
Mosley, Thomas L.
Steadman, Beverly E.
Whipple, Robert C.

Lt Colonel

Gallienne, Winfred H.
Mullen, John J.
Tebbs, Jim R.

Major

Brown, Robert S, as lt col.
Dice, Howard G, as lt col.
Hedrick, William F, as lt col.
Keefer, Robert W, as lt col.
Midura, Anthony S.
Smith, Archie F, as lt col.

Captain

Boudria, Russell F, as maj.
Cauffel, Daniel W, as maj.
Pettibon, Ray D.

2d Lieutenant

Wagner, Charles G.

CWO, W3

Hower, Norman G, as 1st lt.

OFFICERS TO TEMP DISAB RET LIST—

Crayton, Capt Lloyd R, as maj.
Dansby, 1st Lt Lewis C.
Demonte, Lt Col John R D.
Merritt, 1st Lt Grant H.
Olah, CWO, W2 Anthony G.

OFFICERS FR TEMP DISAB RET LIST—

Kahn, Capt Melvin, asg Hq CONAC (IRS), ARRC, Denver.

RESIGNED—

Barron, Maj Charlie N.
Drake, 1st Lt Thomas J.
Leestamper, Capt Robert E.
Luhns, 1st Lt Henry E L.
Neas, 1st Lt John M.
Regnier, 1st Lt Richard A.
Thuman, Capt Helen B.
Watt, Capt Donald D.

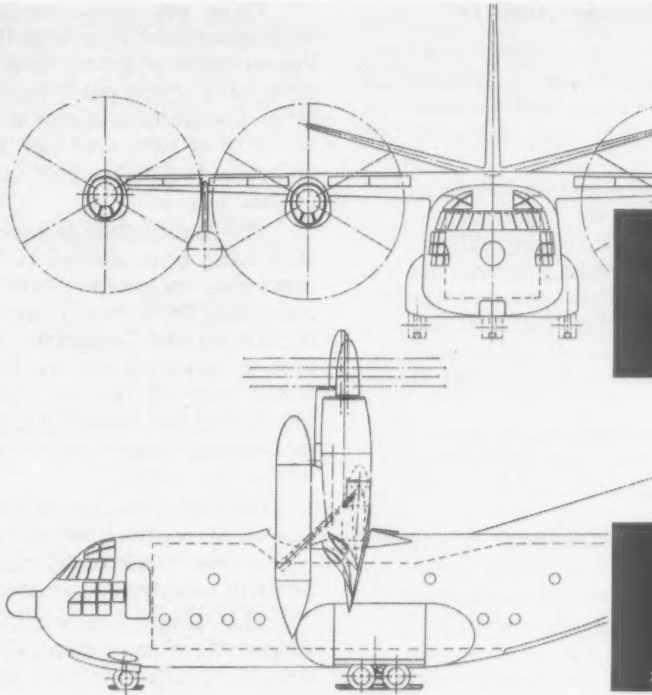
PERMANENT PROMOTIONS—

To Major

DR 1959

15 Jul: Erwin, Alan F.

—Continued on page 23



MODEL 1048 TRANSPORT DESIGN STUDY



MODEL 1067 TRANSPORT-RESCUE



MODEL 1084 MULTI-PURPOSE



X-18 WIND TUNNEL PROGRAM (NASA)

VTOL'S MOST MATURED CONCEPT: THE TILT WING

Seven years of Hiller tilt wing design study, operations analyses, and successful wind tunnel programs have continued to verify the tilt wing as the most predictable and uniformly dependable approach to higher speed VTOL.


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Destined to provide the most comprehensive volume of flight test data is the U.S. Air Force X-18 (below)... world's largest VTOL project. Currently undergoing preflight testing at Moffett Field, California, the X-18 is scheduled for complete flight programs in the next few months.

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DANIEL Z. HENKIN
Assistant Editor

8 AUGUST 1959

Half-Hearted Action Hurts Justice Code Stature

The Department of Defense between now and January should make up its mind if long-sought revision of the Uniform Code of Military Justice is important. If the answer is affirmative, as it has been for more than four years, then the Pentagon should go all-out to obtain favorable Congressional action.

As the case now stands, Defense leaders advised Congress last January that military morale and combat effectiveness are being hurt by certain provisions of the UCMJ—one of which, for example, requires enlisted men to be court-martialed in circumstances where officers are not required to stand trial. Having presented its annual quick brief on the need for amending the complex law and strengthening the discipline authority of commanding officers, Defense leaders then retired to their Pentagon chambers, away from the inevitable controversy that will be provoked by changing the UCMJ.

This hit-and-run approach certainly has done nothing to gain a proper hearing for the proposed changes. Worse than that, the annual statements concerning its shortcomings have damaged the stature of the Code throughout the Fighting Forces.

If the Pentagon decides that UCMJ changes are not important enough to fight for next year, or that they cannot be attained in an election year, we advise silence on the problem come January. But the half-documented story that has been made available to date indicates clearly enough that the administration of military justice would be served well by a comprehensive Congressional inquiry into the changes that, up to now, have been suggested so earnestly and advocated so ineffectively.

Retired Admiral Asks "Logic And Justice" For Career Officers; Outline Remedies

(THE JOURNAL publishes herewith the full text of a communication we have received from a retired Navy rear admiral. We are honoring his request for anonymity, but will be pleased—with his authorization—to transmit any communications to him.)

We believe that the admiral's letter is one which the Services and Members of Congress will want to study closely.)

THIS is an open letter addressed to all who are interested and care to read but especially to members of the House of Representatives and of the Senate. It concerns proposed investigative and legislative action with regard to the pay and employment of retired regular officers of the armed forces. In this letter I am presenting only my own views, i.e., I am not speaking as the authorized representative of any group, organized or unorganized.

There are two aspects to the problem of the pay and employment of retired officers that should be considered by any group studying it. They are the logic and justice of present and future attitudes and laws bearing on the subject and the relationship of those attitudes and laws to other parts of the career officer program. I will discuss the two aspects separately in the order in which I named them.

CONFLICT OF INTEREST

Currently the Congress is much concerned with the employment of retired officers by companies having government contracts. The suggestion is frequently made that such officers may exert undue influence on those within the Government responsible for negotiating and monitoring the contracts with resultant harm to the Government's interest, or that before their retirement

they may favor a certain company or companies in hopes of being employed by those companies after they retire or in payment for a promise of employment. The attitude seems to be somewhat as follows: "Officers are sometimes able to advance the interests of a contractor before they retire by virtue of their position, and after they retire by virtue of the knowledge, experience and contacts gained while they were on active duty. There are inevitable conflicts between the interests of contractors and those of their government customers. If an officer is seeking or has been promised a job with a contractor, or if he is working for the contractor he may use his authority or his ability to advance the interests of his actual or prospective employer at the expense of those of the Government when the two are in conflict. Ergo, restrictions should be placed on the post-retirement employment of officers that will remove the incentive and the opportunity for such actions."

Shotgun Thinking

In the first place, when members of Congress and the Press discuss the subject of retired officers employed by government contractors they frequently use the terms "employed" or "employment" without qualification, making no distinction between positions in the technical, managerial, production or sales and sales promotion branches of the business. This indicates a shotgun type of thinking on the part of those responsible that fails to distinguish between those employees concerned with sales and those concerned solely with the nature, quality, quantity and timely delivery of the product. The distinction should be recognized and considered.

In the second place, it is submitted

that there is nothing wrong per se in retired officers working for a government contractor. This is true whether they are engaged solely in the development or production of the product, in facilitating negotiations between a contractor and a department of the Government, or even in acting as the contractor's agent in the proceedings. The wrongdoing comes only if the actions of the individual are dishonest or unethical and are designed to benefit himself and his employers at the expense of the Government. This is wrong

whether the individual is a retired officer or someone who has never been employed by the Government. The fact that the retired officer may be (or have been) in a better position to do wrong has no bearing on the matter. It is the act of wrongdoing for which people should be punished, not the opportunity.

Loyalty From All

Business relations between industry and government differ somewhat from those between firms within industry or between industry and the public. In the industry-government relationship national loyalty is involved. Profiteering at government expense is a disloyal act in the same way that treason is. Both are crimes against the body politic though admittedly there is considerable difference in the degree of the two offenses in terms of damage to the nation. The government, as the representative of the nation, has the right to expect that its nationals will refrain from disloyal acts whether large or small, and this expectation extends to all its citizens, not just to the military and government officials.

Implicit in the present public attitude on the whole conflict of interest problem is an assumption that the loyalty of government contractors and officers associated with them does not extend far enough to prevent them from profiteering at the Government's expense, even though such profiteering might result in a national defense or other government program less effective than the best obtainable for the money spent. They are suspect by implication if not by outright accusation. This assumption is probably correct for some portion of both groups. It is unlikely, however, that it holds for all or even most of them.

Finally, as a practical matter, forbid-

What They "Peddle" Is National Survival

During the past week, representatives of a number of defense oriented associations have been called before the Hébert Subcommittee to explain the activities of their organizations and to provide details about their publications. The questioning was focused, of course, on the Subcommittee's extensive inquiry into alleged "influence peddling" in connection with defense contracts.

The patriotic men who comprise the leadership of such organizations as the Association of the U. S. Army, whose annual meeting in Washington, D. C., is reported in this issue; the Air Force Association, which meets next month in Miami Beach; the Navy League, American Ordnance Association, and National Security Industrial Association gave full and frank answers to the questions posed by Chairman F. Edward Hébert (D-La.) and his associates.

Those who know the dedication which has marked the work of these groups can only hope that the Congressional inquiry will not deter the energetic programs they have been carrying out through the years. They have scored notable successes in helping to rally national support for the necessity of a strong defense program, even when this means the certainty of continued high taxes. The importance of this "grassroots" understanding and support to our defense program cannot be overestimated.

The Associations on numerous occasions have helped bring to public view basic controversies in defense planning. For this they have met sometimes with severe criticism. We believe such criticism to be ill-informed. There have been too many times when the Pentagon and the Republican and Democratic Administrations alike would have preferred to keep important Service disputes obscured under wraps that were contrived more of "policy" determinations than "security" requirements. The Nation has benefited from the accomplishments of the Associations in bringing budget squabbles and other disagreements into the open where they belong.

Certainly, the Armed Forces have been strengthened by the invaluable assistance provided without cost by the resourceful technical advisory committees mustered by the American Ordnance Association, National Security Industrial Association, and the Aerospace Industries Association.

The Hébert Subcommittee hearings have revealed that those who support these Associations do so because they have one thing which they want to "peddle" (to use that overworked word) through their influence. That one thing is national survival.

IN THE JOURNAL

10 Years Ago—Secretary of Defense Louis Johnson this week asked Congress to authorize the establishment of an additional Service Academy to help meet the needs of the U. S. Air Force for officer procurement.

50 Years Ago—The Secretary of War has approved the plan to lease a field at College Park, Md., for use in teaching officers of the Signal Corps of the Army to operate the Wright aeroplane. The first class will consist of Lieutenants Lahm and Foulis, and Wilbur Wright will be the instructor.

95 Years Ago—Inasmuch as there are still many officers in the European armies who fancy that the United States is destitute of military talent, and in grievous want of some foreign importation, it would be a real act of kindness, if the military gazettes abroad would disabuse their readers of the idea, and remind them that in more than three years of active war we have trained a body of officers who are more valuable than any whom Europe will be likely to send us.

ding retired officers to work for government contractors may make it more difficult for unscrupulous firms to engage in unethical practices. It will hardly stop them from doing so.

From the above it seems clear that any blanket prohibition or restriction on retired officers working for government contractors is an attempt to legislate conscience. Such action will inevitably penalize many honest individuals and firms in trying to prevent the possibility of wrongdoing by a few unscrupulous ones.

GOVERNMENT EMPLOYMENT AND DUAL COMPENSATION

There are several statutes and amendments thereto forbidding retired regular officers of the armed forces to work for the Federal Government. They differ with respect to their date of passage, their content and the personnel to whom they apply. Their general effect is to prohibit such employment under pain of fine and/or imprisonment, but there are some specific exceptions. These exceptions usually entail loss of part or all of the retired pay if the sum of the active and retired pay exceeds a specified amount. Only retired regular officers are subject to all the restrictions in these laws. Retired reserve officers, retired enlisted men or retired civilian employees of the government are exempt from them wholly or in part. Regular officers retired because of physical disability also are in general exempt from their provisions. In various decisions the Comptroller General has construed the phraseology of the laws very broadly so as to include in the prohibited area agencies and organizations under government control or supervision though not an actual part of the Federal Government. Two questions immediately present themselves: Who profits from these laws? Is there a logical basis for them and if so what is it?

Who profits? Certainly not the Government; it still has to pay someone to do its work and at the same time pay the retired officers, so it doesn't save a penny. In fact it loses because it is denied the services of men who have demonstrated their ability and integrity and who sometimes have unusual competence in specialized fields. Certainly not the retired officers; they are denied employment in one of the fields in which they usually have both experience and competence. The only ones who can possibly benefit would seem to be those who might find themselves in competition with the retired officers for the jobs.

Retired Pay Status

Is there any logical basis for the law? The answer appears to hinge upon whether retired pay is compensation for something the retiree is doing, something he may have to do or something he has done. The retiree is not paid for something he is doing for normally he performs no service for the Government. He is not paid for something he may have to do because there is no stipulation as to his ability to perform duty. True he is subject to call to active duty but he continues to draw his pay regardless of whether he is mentally and physically capable of performing such duty. In fact if he was retired for reasons of physical disability, he is given certain tax exemptions which appreciably increase his net pay after taxes compared to that of an officer of like rank and longevity who has no physical disability. In view of this it can hardly be argued that a retired officer is being paid for his potential for service.

But if he is not being paid for either current or potential service, what is he being paid for? A clue to this is the fact that retired pay is computed on the length of the retiree's active service and his rank at the time of his retirement, not on the basis of any present or future duty. This positive evidence added to the negative evidence in the preceding paragraph clearly indicates that retired officers are paid for their past services. There is no other reasonable conclusion. (This conclusion agrees with the Court's decision in a recent case involving withholding the pay of a retired

officer who was serving a prison sentence, pursuant to conviction of a criminal offense.) So, since they are being paid for past—not present or future services—and since the Government neither loses money by employing them nor saves money by not doing so, there seems to be no logical reason for the laws that prevent retired regular officers from working for the U. S. Government like other citizens, or make them give up part or all of their retired pay if they do. On the evidence the laws appear to be sheer arbitrary discrimination.

RELATIONSHIP TO THE CAREER OFFICER PROGRAM

The problems of the pay and employment of retired regular officers are simply two related aspects of the comprehensive problem of officers' careers. A convenient way of looking at the career problem is to view it as falling into three chronological phases: procurement, promotion and retirement. These are separate but related parts of the overall problem just as pay and employment are separate but related parts of the third phase. All the parts interact with each other to some extent and policies, laws and regulations governing one phase or even one part of one phase will affect other phases and other parts of the same phase in varying degrees.

At present the policies and regulations are a patchwork structure developed piecemeal to achieve specific limited aims or to correct certain observed faults. As a result what is done to improve conditions in one phase may have adverse effects on another phase and vice versa; some laws contradict others and some are demonstrably discriminatory.

Must View Total Problem

Until the total problem is viewed as a whole and the entire system, from attraction and induction through retirement and death, is considered as one continuous chain of related operations, any solution to one part of the problem, any measures taken to correct specific faults are very likely to be less than the best for all concerned, the Government as well as the individual.

Here are two examples of what I mean. There are others but these should suffice to illustrate the point.

Three of the advantages frequently cited in trying to attract outstanding young men to a career in the commissioned ranks of the armed forces are job security, the opportunity for promotion and the possibility of early retirement. The process of forced attrition by which a steady flow of promotion is achieved is directly opposed to job security and the increasing restrictions on their employment makes the status of retired officers less and less attractive, particularly when the retirement is involuntary and comes at a stage in the officer's life when his family expenses and responsibilities are heavy. Recent action differentiating between the pay of officers retired before and after the passage of a bill increasing the pay of the armed forces further reduces the attraction.

One of the worries frequently voiced by members of Congress is the steady increase in the size of the retired rolls and the corresponding increase in the amount of money spent for retired pay. The present promotion system based on forced attrition, in effect in the Navy and Marine Corps, is a built-in cause of large retirement lists. (For predicted figures on this subject, see pages 61 and 64 of the Naval Institute Proceedings for July 1959.) Its operation requires that at each successive promotion stage in the career pattern a predetermined percentage of the eligibles be eliminated. The ones eliminated are not necessarily unfitted to perform the duties of the next higher rank, they are the "least fitted," at least in the judgment of the selection boards. The percentages selected or eliminated vary according to current needs and circumstances. Forced attrition also automatically establishes a requirement for more inductees at the bottom with a conse-

quent increase in the career schooling and training program. When the expensiveness of the system is mentioned the argument is usually advanced that it is necessary in order to maintain the highest possible average quality in each succeeding grade and to provide a steady flow of promotion for those who survive the screening process. The present system certainly tends to accomplish those aims but it is debatable whether the aims are necessary or only desirable, whether the gain is worth the cost and whether there is not some better and cheaper way to achieve an acceptable quality level and promotion rate.

REMEDIES

Thus far this letter has been primarily critical, pointing out inconsistencies and illogicalities in aims, policies and results pertaining to the career officer program of the armed forces. It is not absolutely incumbent on a critic to suggest remedies for the conditions he criticizes but it is certainly desirable. Therefore I offer for consideration the following solutions. They are not curealls but should at least improve the situation.

With respect to the "conflict of interest" problem: Let the Government and industry jointly draft a code of ethics for individuals and firms dealing with the Government. The code would cover behavior and actions which are not susceptible of legal definition as are such things as bribery and fraud. Require that government purchasing agents and officials, civilian as well as military, report all violations of the code. If investigation substantiates the report suspend or blacklist of offending firm, i.e., the firm represented by the offending individual. The mere existence of such a provision should result in a high degree of self policing by those liable to punitive action. It would act as a preventative and at the same time punish only the guilty instead of the innocent as well as the guilty.

With regard to government employment and "dual compensation": Let pay after retirement be separated into two parts, pay for past services and retainer pay: Let the pay for past service be officially recognized as such and the recognition include a statement that because this part of the pay after retirement is for past service it carries with it no obligations for future service or restraints on employment.

Lump Sum Or Annuity

This part of the pay could be wholly government supplied or it could be based on contributions by the individual and by the Government in a manner similar to the pension plans in force in civil service and in many industrial organizations and educational institutions. It could be drawn in a lump sum or as an annuity under various options.

Recognition of the vested right of the retiree in this part of his pay after retirement should effectively eliminate the idea that Government pay for current services constitutes "dual compensation" when paid to a retired person whether he be an ex-officer or an ex-civil service employee. It would also

establish a clear basis for dependent's rights to the pay, depending on the option elected by the individual at the time of his retirement.

Receipt of the other part of the pay after retirement, (retainer pay) would be contingent on the officer voluntarily obligating himself for future service, in effect joining the reserve. Continuance of this part of his pay would be subject to periodic proof of physical and mental fitness by the retiree. The change from active status could be either immediate final retirement or transfer to the reserve followed by ultimate retirement at some later date. Service in the reserve would count as a basis for increasing the "owned" retired pay above that earned while on active duty. Dependents would have no rights to the retainer pay.

It is obvious that the system proposed above is in many respects similar to the "Fleet Reserve" system in effect for enlisted personnel. Its chief merit is believed to be the firm establishment of the basis for retired pay. This in turn provides a logical basis for decision with respect to limitations on the employment and pay of retired officers and to their dependents' rights to their retired pay. Present laws on these subjects indicate that the thinking and reasoning behind them are unclear, to put it mildly.

CONCLUSION

In conclusion let me state what I believe to be the attitude of the great majority of retired officers. They resent being objects of innuendo and suspicion as a class because some of them happen to be in positions where wrongdoing is easy and the temptation sometimes is great, (although as far as the writer knows few if any have succumbed.) They resent what they consider to be unjust and discriminatory restrictions on their pay and employment. They do not want special privilege. They do want and have a right to expect from their Government, fair treatment based on reason and logic.

In a recent newspaper article an official of the U. S. Naval Academy was credited with saying, "The business of the Naval Academy is to turn out dedicated career officers" or words to that effect. Laws and policies governing regular officers should encourage them to dedicate themselves to a career in the armed forces. Some present laws and policies not only do not encourage such dedication; they actually discourage it.

Interests Not Opposed

By all means let Congress investigate; but let it be sure to cover the whole problem of the regular officer career program, not just the part after retirement. Let its approach be objective and its judgment and decisions take into consideration all the factors involved in order to reach the best solution for all concerned, government and officers alike. Their interests are not opposed, they are the same and a poor solution will hurt both.


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THE NAVY MAY FIND ITSELF UNDER HEAVY FIRE from Capitol Hill if it doesn't take action to set up a procedure whereby an officer can be told in advance of his formal application for retirement whether or not he is entitled to the "tombstone" promotions that end 1 November. As it now stands (see Page 2), a decorated officer could very well apply for early retirement in order to attain the increased rank and then learn—too late—that he is not eligible.

ARMY AND AF MANPOWER OFFICIALS RESENT the allegations which are being made in some Naval quarters that these two Services helped trigger the end of "tombstone" ranks for Navy, Marine Corps, and Coast Guard officers. This, of course, is no new matter at the Pentagon. For more than eight years, the Army and Air Force have taken the position that they didn't want "tombstone" advancements, and that it was up to the Department of Defense and Congress to decide if any changes in the law were desired. The Army and Air Force make the point that it was the Navy alone which went to Congress with the request for enactment of the "hump" legislation that resulted in the "tombstone" decision.

THE NAVY'S SURPRISE at the sudden turn of legislative events which resulted in the loss of a privilege that has been on the statute books since 1925 is evident in the fact that there was no opportunity to argue the case for extending the deadline beyond 1 November. Although there is certain to be continued protest for weeks to come from many Sea Service officers, this will be tempered by the recognition among thousands of officers below the rank of commander and lieutenant colonel that without the passage of the "hump" bill, their chances for promotion would have been greatly reduced.

THAT'S THE WAY IT ALWAYS IS with "force-out" legislation or policy decisions to accelerate attrition. The older officers in senior ranks who must leave active duty are disgruntled over what they believe to be discriminatory action. On the other hand, the junior officers who must compete for a restricted number of vacancies in higher ranks generally take the attitude that, indeed, it's too bad some had to retire ahead of schedule, but without such retirements the "good of the Service" would be adversely affected.

A PRESIDENTIAL VETO is out of the question on the Navy-Marine Corps "hump" legislation, which resulted from a Pentagon request. However, it will not be surprising if the Chief Executive decides to make some comment regarding the proposal to extend the effective date of the "tombstone" promotion repeal (see Page 1) from 1 November 1959 to 2 July 1960.

NO PERSON IN THE ADMINISTRATION knows better than the President the adverse morale impact in the Services when career people feel that the rules have been changed in the middle of the game, a point that was stressed by Representative Stratton in urging the July '60 extension. Incidentally, one of the President's top legislative assistants is a Naval Reserve Captain, Earle Chesney.

REPRESENTATIVE STRATTON BROUGHT OUT A POINT that largely was overlooked in the quick Capitol repeal of "tombstone" advancements. This concerns the prospect of stepped-up retirements among Reserve officers on active duty, even though they are not directly affected by the "hump" selection features of the legislation. That's why it is significant that Congressman Stratton gained the support of Representative Rivers (D-SC). He is Chairman of the House Armed Services Subcommittee on Reserves.

UNLESS THE SEA SERVICES decide to fix specific deadlines for processing of retirement applications in time for 1 November retirements, there will be considerable consternation and confusion in officer ranks. As the situation stood at the time The Journal went to press, the Navy and Marine Corps were advising officers to submit applications as quickly as possible, but declined to set deadlines. Possible explanation is the Navy's hope that the "tombstone" death date of 1 November will be extended. If it isn't, the Navy and Marine Corps seemingly would be well advised to fix specific deadlines.

A LAND/WARFARE CENTER will be established in Europe as a result of talks held between General Norstad and top U. S. Army officials. It will involve all NATO nations and will be similar to the Antisubmarine Warfare Center, established under SACLAN auspices in Italy.

THE SWEDISH VICE CONSUL FOR ALASKA has been named Army Civilian Aide for the 49th State (see Page 6). Elmer E. Rasmuson, a native of Yakutat who lives in Anchorage on North Turnagain Boulevard, in addition to being President of the National Bank of Alaska and holding numerous other business and civic affiliations has the honorary rank of Swedish Vice Consul.

INTERNATIONAL BUSINESS MACHINES CORP. will pick up the tab for transportation of "Outstanding Airmen of The Year" from major Air Force commands to and from the annual meeting of the Air Force Association in Miami Beach, Fla., 6-10 September. The airmen will be invited to bring their wives.

A MAJOR PROBLEM in working out any arrangement with the Soviets for a reduction or control of troop strength in Western Berlin would be the certainty that at some future date the Communists would challenge specific assignments. An example of possible trouble: Lt. Col. Howard G. Salisbury has been serving for 23 months as Special Troops Commander and Provost Marshal of the Berlin Command. The Army has decided to split these duties, and named Lt. Col. George McBride to command Special Troops. Under any system whereby the Soviets had a say in Allied troop strength, there's not much question there would be protests about such an assignment change.

A CONGRESSIONAL DRIVE MUST BE EXPECTED next year to "unify" Service personnel policies as much as possible. Action will be taken to eliminate disparities in regulations pertaining to post-retirement employment of officers. Beyond this, it will not be surprising if Senator Margaret Chase Smith (R-Me) or others on Capitol Hill revive the proposal that would require the Navy to institute selection board action for advancement from rear admiral lower half to rear admiral upper half. It's automatic at present, depending entirely on a numerical split of the admiral's list. The Army, Air Force, and Marine Corps, on the other hand, select and pass over brigadier generals (rear admirals lower half) for major general (rear admiral upper half).

THE ARMY WILL MAKE AVAILABLE to appropriate industrial firms with necessary security clearances a classified document which will spell out research and development requirements and objectives. Although full details will be withheld, it's a good bet that the document will furnish Army speakers with considerable guidance for public reports.

THE AIR FORCE WILL ANNOUNCE IN OCTOBER official decision to adopt a new lightweight tropical worsted summer blue uniform. It will cost about the same as the serge uniform. In an "Internal Information Division" advisory, the USAF Office of Information Services commented cautiously: "The feeling is that the new lightweight tropical worsted will become an item in the wardrobe of every well dressed member of the Air Force." Translated, that means its adoption is a sure thing.

AS TO WEAR-OUT PERIOD for the various "tropical" and "silver tan" shirt and trouser combinations now in use, the Air Force report to the field said with restraint that if the new garb is adopted, there will be a generous policy, then commented more boldly: "A five year period, from date of adoption, is under consideration and this will more than likely be the time limit set."

ON THE AF UNIFORM FRONT, it is reported coincidentally that tests are being made on a wash-and-wear version of the "Shade 505" uniform, which the Air Force says "will be around for a long time."

AN "UNTIMELY" PHOTOGRAPH was released by the Pentagon this week. It was a shot of the Pentagon desk occupied by General Curtis E. LeMay, USAF Vice CofS. The official caption noted that the desk "holds matches, lighter, letter-opener and eye glasses, waiting for his return from a visit to the field." Also mentioned was an initialed memorandum paper box. The caption, although giving assurance that the General obviously takes double precautions for lighting his cigars—matches and lighter—failed to mention the presence of a desk calendar. Possibly this omission was because the calendar was turned to November 1958, with October 1958 at left and December 1958 at right.

SECRETARY OF THE ARMY BRUCKER told the annual Association of the U. S. Army Association banquet audience that 20,000 soldiers are drawing proficiency pay and about 58,000 payments are scheduled for the year ending next 30 June. He failed to mention, as have all other Defense officials, whether anything is going to be done to implement officer responsibility pay.

ONE OF THE MOST PROVOCATIVE ARTICLES ON MILITARY MANPOWER that has been published in recent years appears in the 8 August issue of "The Saturday Evening Post" under the byline of "The New York Times" Pulitzer-prize winning Military Editor, Hanson W. Baldwin, USNA '24. In a hard-hitting report entitled "Our Fighting Men Have Gone Soft," Mr. Baldwin calls for forceful action to stress leadership in the Services. Many in uniform in all ranks will join with him in urging national awareness of the setbacks which have befallen military leadership because of too much interference from politics and politicians; lack of adequate emphasis on volunteer professionals; and the dependence on large numbers of short-term "half-trained" Reserve officers.

MR. BALDWIN'S BITING ARTICLE will help the growing campaign to obtain pay justice for retired officers. He calls the present inequities "one of the worst blunders the Administration and Congress have made," and calls attentions of millions of readers to a situation in which there are now "two groups of retired officers—one of them 'second-class' citizens economically"

THE ASSOCIATION OF THE U. S. ARMY will stick with Washington for its '60 annual convention. The Air Force Association and Navy League prefer to move their meetings to different sections of the country. All will need to take into account election-year competition next summer.

DEPARTMENT OF DEFENSE

The Hon. Dwight D. Eisenhower, Commander in Chief of the Armed Forces
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Nurray Snyder (Public Affairs)

General Counsel—(Vacancy)

Chairman of the Joint Chiefs of Staff—General Nathan F. Twining, USAF

Army Orders

From page 7—

Cooper, Ralph G. Johnson City, Tenn, to USAAVNS, Ft Rucker.

Henderson, Dick K, San Antonio, to USA Air Def Cen, Ft Bliss.

Ivanushka, Michael, Grand Rapids, Mich, to USA Rec Sta, Ft Ord.

Jacobs, Norman P, Ft Benning, to Off Stu Co, USAAVNS, Ft Rucker.

Burdick, Marshal A, Cedar Rapids, Iowa, to USATC, Ft Ord.

Woods, Ben H, Scottsbluff, Nebr, to 4th Inf Div, Ft Lewis.

Moore, Sheridan B, Columbus, O, to Hq XI USA Corps, St Louis.

1st Lieutenant

Soldato, Shane N, Ft Hood, to USA ADGRU Korea, Yongsan.

Richardson, George A, jr, Ft Myer, to US-AWC Carlisle Bks, Pa.

To Off Stu Co, USAAVNS, Ft Rucker

Buckner, David L, Ft Bragg.

Columbo, Carmen A, Ft Dix.

Davis, Willys E, Ft Campbell.

Slyman, Lawrence J, Ft Jackson.

Smith, Richard A, Ft Jackson.

Williams, William H, Cp Irwin.

From Ft Benning:

Smith, Derald H, Dierdorff, H B, jr

Walters, Arthur L, Kvernes, Roger W

Dean, Frank M S, Miller, Harvey F

To 2d Bn Cmbt Team, Keflavik, Iceland

Anderson, Gerold O, Ft Ord.

Delehanty, Thomas C, Ft Benning.

To Korea

Hamberlin, Lawrence M, jr, Ft Jackson.

Layton, Michael L, Ft Ord.

2d Lieutenant

DiTeodoro, Philip S, Ft Benning, to USA ADGRU Korea, Yongsan.

To 2d Bn Cmbt Team, Keflavik, Iceland

Amazeen, Charles P, jr, Ft Knox.

Wilgus, Austin M, Ft Knox.

ARMOR—

Colonel

Rooney, Thomas O, Ft Knox, to USA Elm MAAG, Vietnam, Saigon.

Thomas, Evert S, jr, Oslo, Norway, to Hq Ft Knox.

Chamberlain, Thomas C, Ft Hood, to ARM-ISH/MAAG, Teheran, Iran.

Lt Colonel

Lang, Francis E, Los Angeles, to ARMISH/MAAG, Teheran, Iran.

Saum, Otis D, New York, NY, to USAARMC, Ft Knox.

Major

Latimer, William H, Ft Benning, to USA Instr Gp, La, Lake Charles, La, w/sta McNessee State College.

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Smith, William C, Syracuse, NY, to Korea.

Captain

Alexander, Harvey A, Ft Monmouth, to USA Gar, Ft Benning.

Trotti, Robert S, Ft Knox, to Stu Det Hq Second USA, Ft Meade, w/sta Univ of Pa, Philadelphia.

1st Lieutenant

Oden, Leslie E, Ft Meade, to USA Gar, Ft Benning.

Akin, George H, Ft Knox, to Germany.

Blanton, Albert B, Ft Bragg, to Korea.

2d Lieutenant

Andresen, Peter C, Ft Rucker, to 6th Armd Cav Regt, Ft Knox.

—Continued on next page

SPACE RESEARCH



The man:

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8 Aug. 1959 (Vol. 96, P. 1495)

Army Navy Air Force Journal 15

S. O. 150 Promotes 33 to Captain

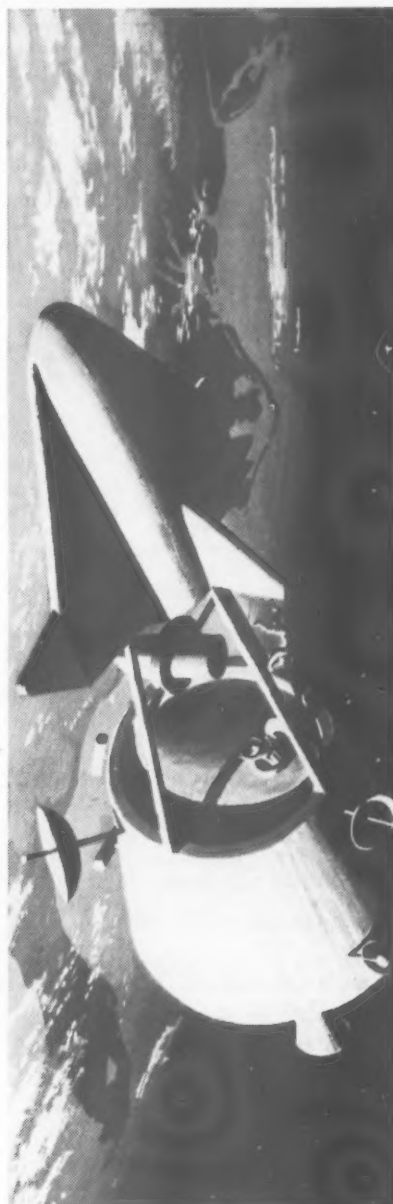
ARMY Special Orders 150, effective 30 July, promotes the following 33 first lieutenants to temporary captain. They include lieutenants through sequence number 1658 in Circular 624-43, dated 27 January. All of the new captains are Infantry officers, unless otherwise indicated:

Barwick, Lide R
 Biehl, Oscar, jr
 Christie, Chester I, jr
 Coleman, Donald E
 Credeur, John L
 Fielding, James M, 3d
 Fox, Lothar, CE
 Glass, James L
 Hanrick, Dennis M

Palenchar, Andrew E
 Papajohn, Carroll
 Peachey, William N
 Prescott, William R
 Reade, John C, jr
 Sandidge, C R, jr
 Schuett, Darwin L
 Scofield, Charles F
 Simpson, H E, jr, MI

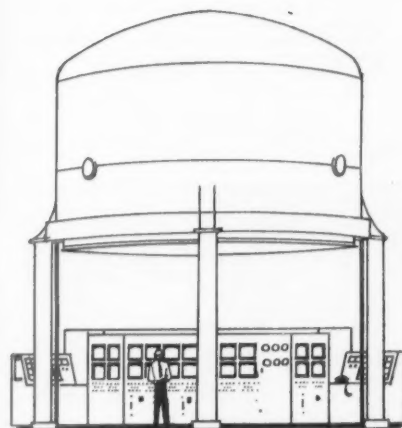
Kite, Albert R
 Knudsen, Joseph R
 Larsen, Morley W
 Lindsay, James J
 Martin, Billy L
 Maxwell, Robert R
 Mehcz, R C, MPC
 Miller, Ralph D

Skaer, Kenneth L
 Starboard, Earl D, jr
 Swadell, R A, SigC
 Thomas, G R, jr
 Vernau, W F, AS
 Warner, Ramon F
 White, Lowell K



The mission:

...satellite observatory—a vehicle arrangement similar to this could orbit a three-man astronomical crew for several weeks. Empty fuel tank is used for living quarters. Nose section serves as re-entry vehicle for return to earth. The astronomical telescope is gimbal-mounted. External equipment shown is mounted after orbit has been attained.



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Col. Akers VII Corps G-4

Col. Russell F. Akers, Jr., has succeeded Col. Edward G. Edwards as VII Corps G-4 in Germany. A '33 USMA graduate, Col. Akers served on the faculty of the Industrial College of the Armed Forces, Ft. McNair, Washington, D. C.

L/C Jagoe At Governors Island

Lt. Col. Charles W. Jagoe has reported to First Army at Governors Island, N. Y., to serve with the Manpower Control Division of the G-1 Section. He had served with U. S. Army Caribbean Command as Chief of the Complaints & Investigations Division in the Inspector General's Section.

He is married to the former Florence Marie Brady of Boston, Mass. They have four children: Charles, Jr., 8; Mary Louise, 6; Kathleen Ann, 4; and Robert, 3. They reside at 7 Everly Road, Sayre Wood South, Madison Turnpike, N. J.

Army Orders

From preceding page—

Bynum, James A., Ft. Rucker, to CC A 1st Armd Div, Ft. Hood.

From Ft. Knox to Station Indicated

Funk, David L., 101st Abn Div, Ft. Campbell.
Kelly, Roger V., 82d Abn Div, Ft. Bragg.
Dickey, Gerald L., Co E 34th Armor, Ft. Sill.

To 2d Armd Div, Ft. Hood

From Ft. Knox: Magoon, Chas D. McAfee, Elbert T.
From Ft. Rucker: Hardin, Robt E. Nelson, Turner L.

To Germany

Edwards, Fain E., Ft. Carson.

From Ft. Knox: Enos, Ronald W. Thuemmel, Wm L.
Fatta, George P. Waddell, D. F., Jr.
Gumpf, John A. Bourdon, Leon J.
Cassimus, Christos R. Brown, Chas S., Jr.
Guy, Robt R. Burleson, Chas E.
Mercer, Richard R. Johnson, Kenneth E.
Pochar, Chas R. Love, Richard M.
Roe, Howard C. Parker, Blaine W.
Soriano, Frank J.

ARTILLERY—

Colonel

Barry, Robert B., Jr., Ft. Bliss, to USARAL Poston, Carl M., Wash, DC, to Co C Stu Det USALS, Presidio of Monterey.
Nelson, William H., Los Angeles, to US Civil Admin of the Ryukyus Is, Okinawa.
Cantey, James, Ft. Chaffee, to Hq IV USA Corps, Birmingham.

Lt Colonel

O'Rourke, Peter J., Ft. Sill, to Hawaii.
Sutton, George M., Croom, Md, to Hq US ARADCOM, Ent AFB, Colo.
Tothacore, Austin J., Ft. Sill, to USA Elm Hq and Hq Co US EUCOM, Paris.
Bigelow, Arland E., Ft. Bliss, to Hq II USA Corps, Cp Kilmer.
Ackner, Ned E., Travis AFB, to USA Elm SHAPE, Paris, France.
Lorck, Horace C., Colorado Springs, to Korea.
Carpenter, Roy R., Ft. Sheridan, Ill, to USA Elm MAAG, Vietnam, Saigon.
Smith, Carl W., Grenada, Miss, to USAAMC, Ft. Sill.
Edmunds, James M., Ft. Monroe, to Hq Co USA Elm Fld Comd, DASA, Sandia Base, NMex.

To USA Elm USMTMSA, Riyadh, Saudi Arabia

Brinkerhoff, William A., Ft. Bliss.
Rodehoffer, Allen W., Monterey, Calif.
Cummings, Hubert G., Fairfield, Ala.

To Germany

Stewart, Claude C., Wash, DC.
Hand, Robert E., Ft. Sill.
Barnhart, Norvel H., Ft. Sill.

Major

Bartley, Walter L., Ft. Sill, to Det No 22 USA Instr Gp, Calif Sacramento High Schs, Sacramento, Calif.
Goularte, Joseph C., Ft. Bliss, to Stu Det Co C USALS, Presidio of Monterey.
Balmer, Jeamond D., Jr., Wash, DC, to EUSA for dy as ADC to M/G H P Storke, Korea.
Piant, Joseph L., Ft. Bliss, to USA Elm MAAG Vietnam, Saigon.

To Korea

Fussell, James R., Montgomery.
LaPrad, Quentin C., Ft. Sill.
Dondanville, Wilfred L., Ft. Bliss.

To Germany

Cox, Earl R., Portland, Oreg.
Schwartz, William C., Bangor, Me.
Brady, Hugh W., New Orleans.

Captain

Kelser, Melville E., Ft. Campbell, to USA Elm USMTMSA, Riyadh, Saudi Arabia.
Tate, Paul J., Cp Hanford, Wash, to USA-SETAF.
Bagley, James E., Ft. Sill, to The Inf Sch, Ft. Benning.

Chamber Endorses Saltonstall Bill To Obtain Better Weapons Faster

Updating military buying methods as proposed in the Saltonstall bill (S. 500) would mean better weapons in shorter time, the Chamber of Commerce of the United States has declared.

The Chamber said that "the bill, with certain amendments, would speed development and production of complex space-age weapons by encouraging the purchase of complete weapons systems from a single contractor, or a team of contractors, rather than dealing with a long list of separate firms for the component parts."

The latter practice slows up production and sometimes adds to costs, the Chamber said.

The statements were contained in testimony prepared for a Senate Armed Services Subcommittee by Chamber spokesman George P. F. Smith, Vice President of the Borg-Warner Corporation of Chicago, and a member of the Chamber's National Defense Committee.

The bill also would place competitive negotiation for supplies on a par with formal advertised bidding, which Mr. Smith said is overstressed in present law.

"The first method permits the Services to deal only with contractors known to be qualified, while the latter sometimes means delays in the solicitation and evaluation of bids," Mr. Smith said. He added that formal advertising would be continued by the bill—"as it should be—for purchasing all standardized supplies and services. . . ."

Higashi, Roy Y., Ft. Baker, to USA Elm Hq Alaskan Comd, Elmendorf AFB, Anchorage.
Regas, George, Ft. Bliss, to ARMISH/MAAG, Teheran, Iran.

To Stu Det USARADDSCH, Ft. Bliss

Penn, Raymond B., Jr., Ft. Campbell.
Ramos, Robert B., Loring AFB, Me.

To Korea

Dickey, Thomas E., Florence, SC.
Woods, Jack C., Ft. Bliss.

To Germany

Sahw, Daniel G., 3d, Hq USAAMS, Ft. Sill.
Sovitski, Charles, Milwaukee, Wis.
MacDonald, Albert B. V., Ft. Bliss.

1st Lieutenant

Smith, Albert J., Pittsburgh, Pa, to Hq Det Sp Warfare Cen, Ft. Bragg.

To Stu Det USARADDSCH, Ft. Bliss

Hawkinson, James Q., Ft. Riley.
Morgan, Jack E., Ft. Benning.

To Korea

Erickson, Eric A., Jr., Ft. Bragg.
Harris, Herbert D., Ft. Benning.
Jacobson, Jon A., Jr., Ft. Campbell.
Randal, Charles D., Ft. Hood.
Keipp, Martin W., Ft. Lawton.

To Germany

Quigg, Stuart M., Ft. Bliss.
Heverly, Charles S., Ft. Campbell.
Smitka, Ernst F., Ft. Bragg.
Russell, John E., Jr., Governors Island.
Stycos, John S., Ft. Campbell.

To USARAL

From Ft. Bliss: Abrahams, Edwin G. Rummens, Bobby E.

2d Lieutenant

Lindsey, Daniel L., Ft. Rucker, to 2d Inf Div, Ft. Benning.

To 1st Msl Bn 43d Arty, Fairchild AFB, Wash

From Ft. Bliss: Walker, Wm J. Wilder, Douglas R.

To 5th Msl Bn 55th Arty, Olathe NAS, Mo

From Ft. Bliss: Parrish, Chas C. Wiegand, Wm G., Jr.

To 45th Arty Bde, Arlington Heights, Ill

From Ft. Bliss: Flinn, Chas P. Valden, Herbert W., Jr.

To 61st Arty Gp, Milwaukee, Wis

From Ft. Bliss: Commiskey, Chas E. Kelly, Robt H.
Durrant, Randolph A. Smoak, John F., Jr.
Gilbert, Daniel E. Winters, Robt J.
Gosse, David R.

To 5th Arty Gp, Cp Hanford, Wash

From Ft. Bliss: Arnett, Billy B. Virden, Joseph L., Jr.

From Ft. Bragg to Station Indicated

Balaguer, Melchor C., 52d Arty Bde (AD) Ft. Wadsworth, NY.

Feloney, John A., Jr., 56th Arty Bde (AD) Ft. Banks, Mass.

Moll, Robert E., 56th Arty Bde (AD) Ft. Banks, Mass.

Scanlon, John G., 63d Arty Gp (AD) New Britain, Conn.

To Stu Off Co, USAAVNS, Ft. Rucker

Beck, Buddy G., Pasadena.
McCluskey, William J., Ft. Carson.
Olds, Warren T., Jr., Ft. Bragg.
Wilkinson, Tary D., Ft. Scott.
Herron, Roy H., Ft. Bragg.

To Germany

Johnston, Robert L., Ft. Ord.
Naber, Elmer W., Jr., Ft. Knox.
Springs, Darryl M., Ft. Sill.

CORPS OF ENGINEERS—

Maj Gen E C Itchner, C of E

Lt Colonel

Reese, Frelsen, Wash, DC, to USA Engr Dist Trans East, Med Div, Karachi, Pakistan.

Moyer, Lawrence R., Ft. Benning, to Stu Det Co C USALS, Presidio of Monterey.
Phillips, William J., Ft. Meade, to USARMA Trans Det OACSI, Wash, DC.
Boggs, William M., Pittsburgh, Pa, to USA Elm Fld Comd DASA Hq and Hq Co, Sandia Base, Albuquerque, NMex.

Major

Rhode, Raymond H., Monterey, Calif, to USA Msn to Ecuador, Quito.

Shaw, Frank L., Ft. Rucker, to USA Interchange Off Gp, Ottawa, w/sta Canadian Army Hq DND, Ottawa.

Welderhold, Fred E., Ft. Belvoir, to USA ADGRU NC, Raleigh, NC, w/sta Charlotte, NC.

Argetsinger, Dick W., Ft. Belvoir, to France.

Captain

Leighton, Henry P., Jr., Ft. Bragg, to 329th Engr Det, AMS, Tripoli, Libya.

Shaw, Rex E., Ft. Hood, to TAG Pers Rsch Gp USA, Wash, DC.

Tarbell, Frank S., Monterey, Calif, to OUS-ARMA, Am Emb, Warsaw, Poland.

Baker, Nicholas J., Schenectady, NY, to USA Elm MAAG, Vietnam, Saigon.

To Germany

Kramer, David F., Ft. Leonard Wood.
Funk, Glen E., Ft. Ord.

1st Lieutenant

Rodriguez, Eliezer, Ft. Belvoir, to USATRF Sta, Ft. Buchanan, San Juan, PR.

Lindberg, Kenneth W., Ft. Leonard Wood, to USARPAC (Japan) for dy W Japan Det USA Best and Visual Actv, Pac, Asaka.

Strum, Ernest C., Ft. Benning, to USA Inter-Am Geodetic Survey, Ft. Clayton, CZ.

Bryant, Walter R., Ft. Lewis, to France.

To Germany

Hinsch, Walter C., Ft. Knox.
Garcia, Alfred, Ft. Riley.

2d Lieutenant

Kavanaugh, Paul F., Ft. Leonard Wood, to Germany.

From Ft. Rucker to Station Indicated: Brown, Joe J., 1st Inf Div, Ft. Riley.

Davis, Wayne B., 2d Inf Div, Ft. Benning.

SIGNAL CORPS—

Maj Gen Ralph D. Nelson, C Sig O

Lt Colonel

Taylor, Elwood, Ft. Bragg, to USASA Tng Regt, Ft. Devens.

Barton, Dennis L., Ft. Huachuca, to USA Elm OJCS, Wash, DC.

Major

Fisher, Edwin L., New York, NY, to Hq USA Sig Gar, Ft. Monmouth.

Foot, George C., Jr., Ft. Hood, to USA Elm MAAG, Pakistan, Rawalpindi.

Hockman, Lucien J., Ft. Monmouth, to US-ARAL.

Baber, Ben L., Ft. Ord, to USA Elm Hq Iceland Def Force, Keflavik.

Captain

Furman, Walter A., Arlington, Va, to USA Sig Tech Intel Team No 1, Ft. Myer.

White, William A., Sacramento, Calif, to USA Elm MAAG, Vietnam, Saigon.

Bye, Robert H., Arlington, Va, to USASA Fid Sta, Chitose, Hokkaido, Japan.

Hollar, Richard B., Wash, DC, to dy sta Verona, Italy.

1st Lieutenant

Fowler, Charles M., Monterey, Calif, to USA Elm NSA, Ft. Meade.

Friton, Willis L., Ft. Benning, to Okinawa, w/sta USA Spt Elm Philippines, Manila.

Trueheart, William H., Ft. Bragg, to Korea.

2d Lieutenant

Bailey, Wallace D., Petaluma, Calif, to Stu Det Co C USALS, Presidio of Monterey.

McDaniel, Robert C., Ft. Holabird, to USA Sig Sup Agcy, Philadelphia.

To 56th Sig Co, Ft. Huachuca

From Ft. Monmouth: Crane, Everett L. Valaoras, Geo T

To Tobyhanna Sig Depot, Tobyhanna, Pa.
From Ft. Monmouth: Jenkins, Samuel. Weinbeck, Louis J.

ADJUTANT GENERAL'S CORPS—

Maj Gen Robert V. Lee, TAG

Lt Colonel

Liebllich, Jerome F., Wash, DC, to USA Elm MAAG, Netherlands, The Hague.

Major

Leitnaker, John M., Ft. Lawton, to USA Elm USMTMSA, Riyadh, Saudi Arabia.

Captain

Baile, John J., Ft. Huachuca, to Hq USASA Pac, Helemano, Oahu, TH.

Ferguson, Rufus J., Ft. Benjamin Harrison, to Korea.

Lemmon, Robert L., Ft. Sam Houston, to Stu Det TAGUSA, Ft. Benjamin Harrison.

1st Lieutenant

Smith, Donald R., Monterey, Calif, to USAR-CARIB (Antilles).

JUDGE ADVOCATE GENERAL'S CORPS—

Maj Gen George W. Hickman, Jr, TJAG

Captain

Sutton, Everett G., Ft. Stewart, to Hq USA Gar, Ft. Hood.

1st Lieutenant

Marden, Jack M., Ft. Benning, to USARCARIB Panama.

QUARTERMASTER CORPS—

Maj Gen Andrew T. McNamara, QMG

Colonel

McCarthy, Walter W., Jr., Ft. Lee, to Hq US-ARPAC, Ft. Shafter, TH.

Lt Colonel

Dean, Patrick, New Cumberland, Pa, to Richmond QM Dep USA, Richmond, Va.

Baldwin, Coy W., Ft. Holabird, to QM Tng Comd USA, Ft. Lee.

Major

Wasecka, Stephen, Ft. Bragg, to USA Elm MAAG, Taiwan, Taipei.

Captain

Gallagher, Edward G., Ft. Knox, to Utah Gen Dep USA, Ogden, Utah.

Vorhies, Harold W., Ft. Riley, to USA Elm MAAG, Vietnam, Saigon.

2d Lieutenant

Munzinger, Richard C., Ft. Lee, to 101st Abn D.v., Ft. Campbell.

FINANCE CORPS—

Maj Gen Paul A. Mayo, C of F

Lt Colonel

Archer, Theodore W., Ft. Benjamin Harrison, to Hq Mil Subs Supply Agcy, Chicago.

Newsom, Marion E., Chicago, to USA Gar, Ft. Holabird.

Major

Sweigart, Earl S., Wash, DC, to USA Elm MAAG, Vietnam, Saigon.

Captain

Stalbaum, Max R., Ft. Knox, to USARAL Griffin, Guilford W., Ft. Bragg, to FAGUSA, Wash, DC.

Stan, Leonard J., Ft. Bragg, to Korea.

Dolziski, Andrew, Chicago, to Germany.

1st Lieutenant

Wynne, Thomas L., Ft. Sill, to Germany.

Fleniken, William H., Ft. McPherson, to Korea.

L/C Quint Heads Army Office At Travis AFB

Lt. Col. Roy T. Quint, Jr., is the new Commanding Officer of the Army Air Traffic Coordinating Office at Travis AFB, Calif.

He is responsible for overseas movement by MATS of Army personnel and cargo bound for the Pacific.

Colonel Quint succeeds Lt. Col. D. P. Strausbaugh, transferred to the Eighth Army in Korea.

Colonel and Mrs. Quint, Bessie, live with their two daughters, Kathie and Jo Ann at 180 Fitzgerald Drive, Travis.

New VII Corps Commandant

Lt. Col. Veron T. Mergler has assumed duties as Headquarters Commandant and C.O. of VII Corps Special Troops in Germany, succeeding Lt. Col. Richard H. Garver, who is returning to the U. S. for reassignment. Colonel Mergler had been Executive Officer of the 1st Battle Group, 21st Infantry, 24th Infantry Division.

Succeeding Maj. Warren G. Crosby as Executive Officer of VII Corps Special Troops is Maj. Roger I. Bradley.

General Lemnitzer Tells Army Requirements In Fulfilling Vital Role

The prospect of "the equivalent of strategic nuclear disarmament"—he said it could be anticipated "not too many years away"—was outlined to the Association of the U. S. Army meeting in Washington, D. C., this week by one of its former presidents, General Lyman L. Lemnitzer, Army Chief of Staff.

Describing a situation in which our missile retaliatory resources would assure an "absolutely devastating" response to any enemy attack, General Lemnitzer foretold that under such conditions "the other components of our power will play the vital role in coping with the tactics and strategy of Communism short of the threat of general nuclear war."

He told the Association that "the modern Army requires the capability to fight successfully in either nuclear or non-nuclear conflict. This does not mean, in any sense," the Chief of Staff asserted, "that the Army conceives of its role in modern war as being an unimaginative repetition of the methods of the past."

"What it does mean," he said, "is that a modern Army must have a fully adequate nuclear capability to meet and

defeat an Army with nuclear weapons. At the same time, however, a modern Army's non-nuclear capability must be great enough that it need not feel compelled to use nuclear weapons as the only alternative to failure."

General Lemnitzer took the occasion of his AUSA address to emphasize the need for the most modern weapons possible and for the mobility to exploit them to maximum advantage.

"Throughout history," said General Lemnitzer, "a major limitation on the freedom of action of land forces—and consequently, on their effectiveness—has been the barrier of terrain."

"We now foresee a time when mountains and rivers and other terrain features will cease to be obstacles or limitations. They will be meaningful chiefly as advantages to be exploited as the situation indicates."

Outlining the whole spectrum of Army activities to meet modern requirements—he mentioned improved communications, target acquisition, logistical support—General Lemnitzer stressed that "an essential requirement for a modern Army is a program through which it can stay modern."

General Lemnitzer left for the close of his report on the "Modern Army" an

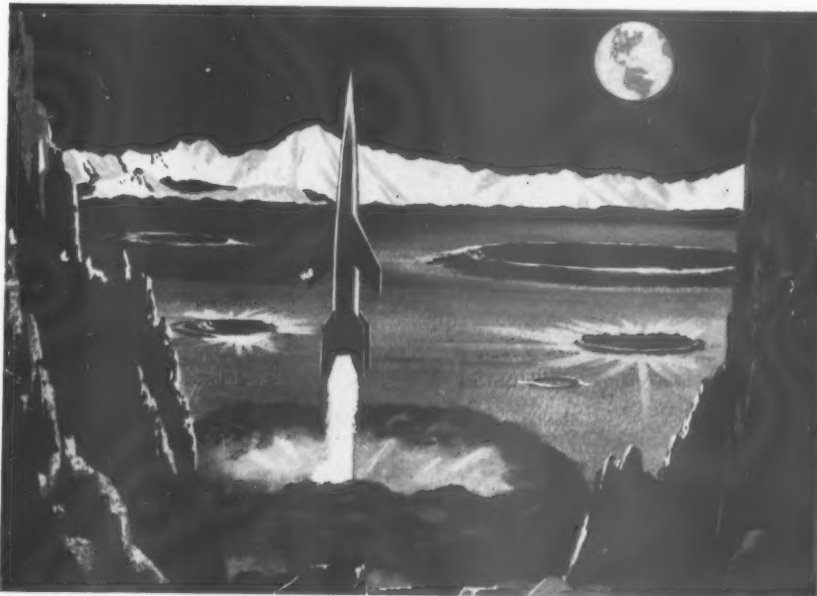
emphatic statement on the need for judgment and imagination—for leadership.

"The leaders in a modern Army," he told the Association, "must have the initiative to take effective action in the widely dispersed conditions of modern battle. They must have the vision to see the extensive new capabilities of modern material as it becomes available. . . .

"With all this," the Chief of Staff declared, "there has been no reduction in the external requirements for courage, determination and character which have always been so essential to successful leadership in war."

COUNT DOWN!

for the conquest of space



"MISSION ACCOMPLISHED: DEPARTING LUNA 2205 ZEBRA"

This message, flashed across a quarter-million miles to Washington, D.C., will be awaited anxiously by millions.

But even then our first expedition to the moon will still face its most crucial test—the journey home to earth.

The success of that trip will depend in large part on rocket propellants—fuels and oxidizers that will have been stored for days in the tanks of the expeditionary vehicle and yet will respond instantly when needed.

Storable liquid propellants is one of the fields in which Rocketdyne has anticipated the future. For more than ten years, its propellant chemists have been studying, engineering, and testing combinations of storable fuels and oxidizers for greater storability and higher energy.

Storability PLUS high energy

Rocketdyne has tested these combina-

tions in all production and experimental engines. The results prove that today's storable fuels and oxidizers have these important capabilities:

(1) High performance, even after months or years of storage; (2) Stability over a wide temperature range, permitting storage in missile tanks without rigid environmental controls; (3) Dependable performance, predictable even at extremes of heat and cold; (4) Instant readiness for firing at any time during the storage period; (5) Energy yields equal to or higher than those of conventional propellant combinations.

Second-generation missiles

The tests also prove that engines developed for conventional propellants can be converted to storable combinations rapidly and inexpensively—a significant consideration in the devel-

opment of second and third generation strategic, tactical, and air defense missiles.

Significant, too, is the potential performance of storable combinations. Research points to energy yields as high as 400 seconds of altitude specific impulse—performance 20 percent higher than that of today's combinations. These high-energy yields will offer new capabilities and greater flexibility for America's scientific and military programs.

Stepping stones to Space

Rocketdyne has designed and built much of today's operating hardware in the high-thrust rocket field. Engines by Rocketdyne power most of the military and scientific projects



POWER FOR AMERICA'S MISSILES

Thrust chamber production line for Thor and Jupiter at Rocketdyne's Newisho, Mo., facility moves smoothly.

sponsored by Air Force, Army, and NASA. This experience now becomes the point-of-departure for tomorrow's journeys into the unknown.

FIRST WITH POWER
FOR OUTER SPACE

ROCKETDYNE

A DIVISION OF NORTH AMERICAN AVIATION, INC.

MEDICAL SERVICES—

Maj Gen Leonard D Heaton, SG
Medical Corps

Colonel

Snyder, Otis W., Wash, DC, to Germany.

Lt Colonel

Murphree, Harold C, Wash, DC, to Korea.

Major

King, Samuel V, El Paso, to 101st Abn Div, Ft Campbell.

Richert, Joel H, Denver, to WRAMC, Wash, DC.

Captain

Zachary, Jimmy B, El Paso, to USAH, Ft Meade.

Lamb, Harry R, Ft Rucker, to USAH, Ft Campbell.

Danford, Henry W, San Francisco, to Korea.

Freyhof, Jack N, Hot Springs, Ark, to USA Surg Rsch Unit, BAMC, Ft Sam Houston.

Dental Corps—

Maj Gen James M Epperly, Chief

Captain

Decker, Richard M, Ft Lawton, to Korea.

1st Lieutenant

Giambalvo, Anthony M, Ft Leonard Wood, to USA Gar, Ft Jay, Governors Is, NY.

Medical Service Corps—

Col Roy D Maxwell, Chief
Major

Bartlett, George H, Ft Carson, to USAH, Ft Leonard Wood.

Empey, Homer R, Ft Sam Houston, to Hq First USA, Governors Is, NY.

To Stu Det AMSS BAMC, Ft Sam Houston

Barker, Derwood A, El Paso, Tex.

Browne, Robert W, Ft Benjamin Harrison.

Simpson, Thomas M, Ft Belvoir.

Tsakonas, Charles T, Wash, DC.

Captain

Strawn, Willis G, Ft Riley, to BAMC, Ft Sam Houston.

Kramer, Frank J, Minot, NDak, to USAH, Ft Hood.

To Stu Det AMSS BAMC, Ft Sam Houston

Storms, William G, Tacoma, Wash.

Campbell, Edwin C, Ft Riley.

Cooksley, Boyd E, Wash, DC.

Hume, Joseph W, Seattle.

Kershner, Edward C, Ft Bragg.

Kirk, Christopher J, Tacoma, Wash.

Luce, Nelson E, Ft Bragg.

McNabb, Alva C, Ft Sill.

Phillips, Omar K, Ft Belvoir.

Ponebshek, Carl M, Ft Detrick.

Wiest, Bernard J, West Point.

From Ft Sam Houston to Station Indicated

Kiel, Richard A, Dy Sta 1st Log Comd, Ft Bragg (remains asg to BAMC, Ft Sam Houston).

Wheatley, Kenneth K, Stu Det USACGSC, Ft Leavenworth.

1st Lieutenant

Sadler, Tom H, Ft Knox, to Walter Reed AMC, Wash, DC.

To Stu Det AMSS BAMC, Ft Sam Houston

Kutch, Don L, Ft Bragg.

Blume, Robert M, Ft Monmouth.

Jewell, William C, Ft Riley.

Johnson, Marion F, Ft Benning.

Krawczyk, Joseph R, Ft Campbell.

McMurray, Dallas R, Ft McClellan.

Midkiff, John L, Jr, Chicago.

Murata, Sunao, Ft Dix.

Webb, Richard, 3d, Denver.

2d Lieutenant

McLeod, William R, Ft Carson, to BAMC, Ft Sam Houston.

—Continued on next page

Army Orders

From preceding page—

Army Nurse Corps—

Col Inez Haynes, Chief
Major

Fusselman, Gladys L, Ft Eustis, to Stu Det
WRAMC, Wash, DC.
Owens, Gladys E, Ft Monmouth, to WRAMC,
Wash, DC.

Captain

Bubnis, Bernadette J, Ft Gordon, to Stu
Det WRAMC, Wash, DC.
Wright, Martha G, Ft Campbell, to Valley
Forge AH, Phoenixville, Pa.
Morgan, Betty F, Wash, DC, to First USA
Stu Det, Governors Is, w/sta Boston Univ,
Boston.
Morris, Mary M, Ft Campbell, to Stu Det
Hq Third USA, Ft McPherson, w/sta Univ
of NC Sch of Pub Health, Dept of Pub
Health Nursing, Chapel Hill, NC.
Foster, Anne C, Ft Monroe, to WRAMC,
Wash, DC.
Hammerly, Aloha B M, Ft Knox, to Stu Det
Hq Third USA, Ft McPherson, w/sta Univ
of NC Sch of Pub Health, Dept of Pub
Health Nursing, Chapel Hill, NC.
Heller, Sara, Ft Sheridan, to WRAMC,
Wash, DC.

ORDNANCE CORPS—

Maj Gen John H Hinrichs, C of Ord
Major

To Korea

Cochran, James W, jr, Sandia Base, NMex.
Tillotson, John A, Hartford, Conn.

Captain

Sneath, Veryl L, Anniston, Ala, to USA AD-
GRU Korea, Yongsan.

To Korea

Campbell, Frank S, jr, Ft Lewis.
Pouttu, Thomas E, Centerline, Mich.

1st Lieutenant

Touchet, James C, Ft Rucker, to 25th Trans
Co, Ft Bragg.
Medley, George W, La Cruces, NMex, to Ger-
many.

2d Lieutenant

Bickhart, Donald F, Cp Drum, to 72d Ord
Det, Raritan Arsenal, Metuchen, NJ.

From Aberdeen Pr Gr to Station Indicated

Alston, Samuel, to Korea.
Hoffner, James R, jr, to Germany.
Taylor, John H, 34th Ord Co, Ft Bliss.
Cone, Donald C, 2d USA Msl Comd, Ft Car-
son.
Frye, Edwin M, 20th Ord Co, Ft Lewis.
Halladay, John C, jr, 2d USA Msl Comd,
Ft Carson.
Robinson, Nolan G, 521st Ord Co (HAM)
Ft Bragg.
South, Jerry C, jr, 3d Ord Co (DAS) Ft
Campbell.
Spencer, William F, 2d Inf Bde, Ft Devens.
Stuhlmiller, Rodman W, 98th Ord Co (FM)
Ft Stewart.
Zang, Donald W, 2d Ord Co, Ft Meade.
Everitt, Henry D, jr, USA Ord Msl Comd,
Redstone Arsenal, Ala.
Woodford, Robert L, TAG Pers Rsch Gp,
USA, Wash, DC.
Berger, James A, 98th Ord Co (FM) Ft
Stewart.
Frlot, Donald M, 2d Ord Co (DS) Ft Meade.
Sage, David M, 82d Admin Co (Repl Sec)
Abn Div, Ft Bragg.
Snyder, Philip G, USA Ord Arsenal Red River
(4422) Texarkana, Tex.
Trumbull, James L, 2d Ord Co (DS) Ft
Meade.
Mehlretter, James C, USA Ord Arsenal Red
River, Texarkana, Tex.

CHEMICAL CORPS—

Maj Gen Marshal Stubbs, C Cml O
1st Lieutenant

Cohan, Morton D, Dugway, Utah, to First
USA Stu Det, Governors Is, w/sta Mass In-
stitute of Technology, Cambridge, Mass.

CHAPLAINS CORPS—

Maj Gen Frank A Tobey, C of C
Lt Colonel

Dean, Gerald C, Ft Hood, to USA Gar, Ft
Sam Houston.

Major

Barrett, Patrick J, Ft Leonard Wood, to
Germany.

Captain

Shevlin, John G, Ft Meade, to Germany.

1st Lieutenant

Conconi, Louis M, Ft Lewis, to USARAL.
Stroup, Russell W, Ft Bliss, to Korea.

To Germany

Forrest, Alfred T, Ft Knox.
Green, John E, Ft Bliss.
Harrell, Ralph E, Ft Benning.
Swager, Robert G, Ft Carson.

—Continued on page 20

End Restrictions On Retired Employ, AFA Urges

From page 11—

the result of joint participation of mili-
tary and industrial personnel, and it is
not unusual for industry's contribution
to be a key factor.

"Indeed, there are highly-placed mili-
tary men who sincerely feel that industry
currently is setting the pace in the re-
search and development of new weap-
ons."

In support of this program, Mr. Schenk
said, there is need for more military
experience in industry. He contended
that the retired military officer is one
of our great defense resources, whose
"competence and integrity, in the case
of general officers, has been certified by
the United States Senate."

Mr. Schenk took issue with charges
that these officers may "hang up their
integrity in the closet along with their
uniforms." He called for the complete re-
moval of all restrictions on their activity
in defense industries.

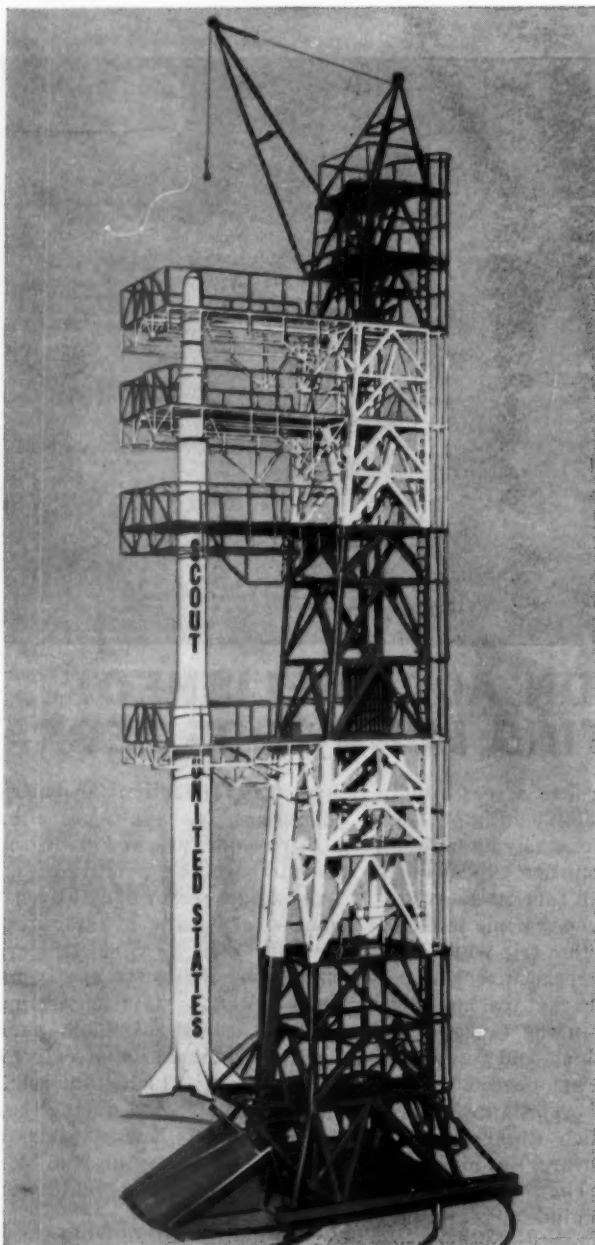
The AFA leader asked the Subcom-
mittee to help "strengthen the military-
industry partnership so vital in the face
of the threat to national existence."

Under questioning, Mr. Schenk said
he did not think it is possible to "legis-
late honesty" and that the integrity of
the former military officer in an indus-
trial post is sufficient protection for the
public interest. He also emphasized that
an ex-officer's former colleagues, still in

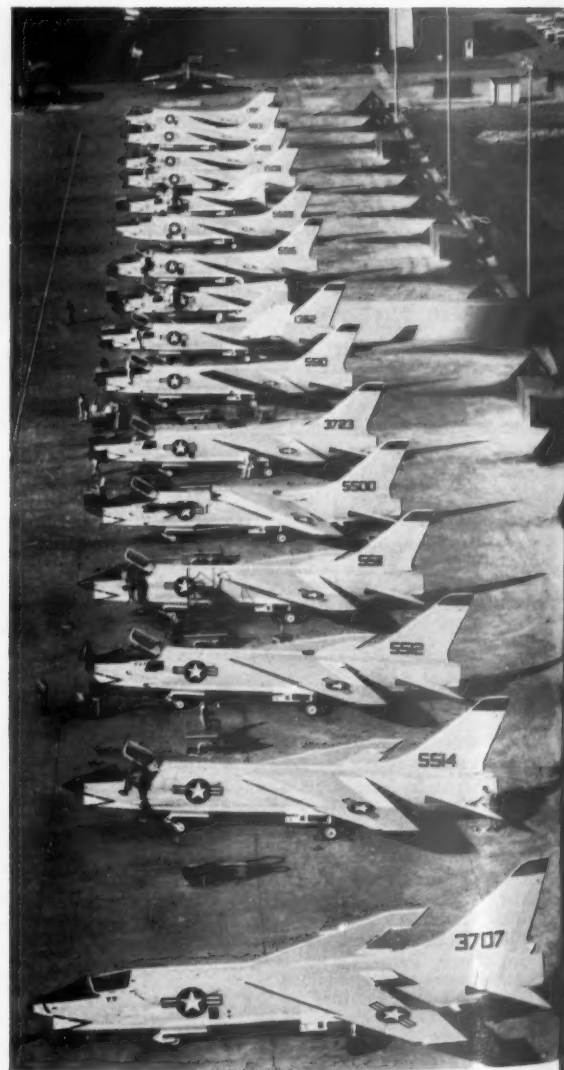
uniform, would resent any improper ac-
tivity on his part.

An AFA report noted that "On the
subject of weapon systems, the AFA wit-
nesses said the organization had fa-
vored the Thor over the Jupiter inter-
mediate range ballistic missile, and the
Bomarc over the Nike air defense sys-
tem. The reason in the first case was
economy, AFA contending that Thor and
Jupiter were almost identical and that
building both was a waste of the tax-
payer's dollars. In the case of Bomarc,
it was explained, the association based
its decision on the area defense concept
as a more economical approach to the
problem than the point defense concept.
Nike is a point defense weapon."

Chance Vought Aircraft, Incorporated



VOUGHT INTEGRATING 70-FOOT ROCKET. This
four-stage Scout space research vehicle is being readied
by Chance Vought for NASA use. Vought was chosen
over 12 other firms for the Scout development contract.



MORE THAN 500 ALREADY DELIVERED. Crusader
fighters, grouped for delivery on this Chance Vought flight
ramp, have been deployed in three different versions
with the U. S. Navy and Marine Corps.

Nuclear Engineering PhD Slot Opens

The Air Force Institute of Technology program for civil engineer in Fiscal Year '61 will provide an opportunity for three PhD degrees—one of them in nuclear engineering—among a total of 59 Bachelor, Master and Doctorate degrees.

The AFIT Professional Educational Program includes training in civilian institutions and residence courses at the Institute at Wright-Patterson AFB, Ohio.

Applicants need not be restricted to personnel now in Air Force Civil Engineering work. Qualified applicants in any field may apply.

Courses Open for application are:

Architectural Engineering, three BS, one MS
Civil Engineering eight BS, 17 MS, two PhD
Electrical Engineering, two BS, five MS
Industrial Engineering, two MS
Mechanical Engineering, four BS, seven MS
Nuclear Engineering, three MS, one PhD
Engineering Management, three MS
Advanced Management, one MS

B/G Doleman In Hawaii

Brig. Gen. Edgar C. Doleman has arrived in Hawaii to become U. S. Army, Pacific G-2.

He succeeds Maj. Gen. Philip H. Draper, jr., assigned to the Army Air Defense Command at Colorado Springs, Colo.

General Doleman, USMA '33, had been Deputy Commandant of the Army War College at Carlisle Barracks, Pa.

8 Aug. 1959 (Vol. 96, P. 1499)

Army Navy Air Force Journal 19

New AF "Buddy Training Kit" Is Geared To Atomic Casualties; All-Service Use Seen

GUNTER AFB, ALA.

ONE hundred airmen lie injured or dying of wounds from a thermonuclear blast.

No medics, doctors or nurses are available. Professional medical aid may not be available for hours—or even days.

Those who survive the blast will have to take care of themselves as best as they can.

The problem, "Can they take care of themselves until medical help arrives?"

To see how an average group of airmen

or civilians can solve the problem, top Department of Defense medical authorities, and civilian experts are gathered here 4 August to watch the first public demonstration of the Air Force's "Buddy Training Kit."

The kit and the training procedures which go with it may be adopted by the Defense Department for all-Service use.

It may also be used to train civilians for atomic or other disasters.

The casualties for the demonstration here are scattered over a simulated blast

A JOURNAL STAFF REPORT



area, resembling an intersection of a small town or Air Force base.

They had been wounded, with deep gashes in their sides and limbs, and numerous other injuries to other parts of their bodies.

Some have legs blown off. Others are severely burned.

The wounds are simulated by specially-designed plastic coverings, spurting "blood" and instilling a feeling of extreme realism.

Of the wounded, 25 are still capable of aiding their buddies. These are all non-medical personnel.

Before their training—done entirely by themselves—they had little or no knowledge of emergency first aid procedures.

Now, they drag themselves up, and begin to administer care to the most seriously injured. They diagnose the nature of their companions' injuries and expertly set out to apply the necessary splints, dressings and other aids that are available.

Air Force officials point out that this is the first group in the nation to train themselves by use of the new "Buddy Care Kit." They hope that in the future the kit may be used nation-wide to aid all the population in disaster survival.

The do-it-yourself training kit is so simple, says Maj. Gen. Oliver K. Niess, Air Force Surgeon General, that "I am convinced that almost anyone who can read can check himself on the kit and teach others emergency treatments for a mass casualty situation."

The demonstration is unique to him, General Niess relates, "because in all my years with the Air Force Medical Services, I have never before seen a training system for medical care which did not involve medically trained people."

"To me," General Niess says, "this is perhaps the first breakthrough on the problem of what happens to our people in the event of an atomic attack, or any other major disaster which produces mass casualties."

First aid equipment which will be used in future disaster situations is already being distributed to the Services. This is the Defense Department's "Emergency Medical Treatment Unit—Phase I."

To be stockpiled at thousands of locations throughout the country, the Unit contains splints, bandages, burn packs and two boxes of materials for the use of trained medical personnel only.

The new training kit is designed to assure that each member of the Armed Services can use the emergency medical supplies when the need arises.

It was developed under the direction of Maj. James D. Clark, of the Gunter Branch of the Air Force School of Aviation Medicine here.



Maj. Gen. Niess

Chance Vought Announces Five New Divisions

Chance Vought is pleased to announce the formation of five new divisions, effective August 1, 1959.

These divisions will point their activities toward technological fields that have become Space-Age specialties: Astronautics, Aeronautics, Electronics, Range Systems, and Research.

This realignment is the result of considerable study, both of company capabilities and of new business opportunities. It is an effort to bring all

of Vought's scientific/technical abilities and facilities to bear on the challenges and opportunities in the Space-Age future.

At the same time, the new structure has strong provisions for expanding activities that are traditionally basic at Chance Vought—such work as the advancement of manned aircraft design and production; pioneering in the human factors of flight, and aeronautical research.

ELECTRONICS DIVISION

Vought electronics will be developed, manufactured and marketed in increasing volume. Military systems under development include antennas and related electronics, ground support electronics and antisubmarine warfare apparatus. Technical and laboratory support of other company divisions will be a continuing task in Electronics.

RESEARCH DIVISION

Basic research aimed at generating new knowledge is this division's function. A new Research Center will provide creative environment for basic research. This work—as it evolves into applied research—will materially support all other divisions. Extensive facilities, including wind tunnels and a high-temperature lab, will be at researchers' disposal. Fields of research include astronautics, undersea warfare, nuclear studies, sea resources, the life sciences and electrogravities.

RANGE SYSTEMS DIVISION

Twelve years' experience in remote base operation qualifies Vought for additional business in a very new field—establishment and operation of test ranges and test equipment for missiles and space vehicles.

Genesys Corporation, a wholly owned subsidiary company, was formed in May of 1958 to intensify Vought's diversification into commercial electronics. Company emphasis is on automation, and its key personnel are engineers experienced in the fields of electronics, computers, magnetic memory, and other associated electro-mechanical devices.

ASTRONAUTICS DIVISION

Chance Vought is taking fullest advantage of its existing capabilities to obtain broader responsibilities in astronautics. Concentration will be on advanced vehicles for space exploration, and on ballistic and anti-ballistic missile systems, where the company will draw on 12 years' experience in the missile field.

Vought's first contract work with space hardware—integration of the Scout space rocket—is under way. The company is readying this research rocket and its launcher under a National Aeronautics and Space Administration contract.

Also, Vought and other members of the Boeing team are participating in the development of the Dyna-Soar boost-glide vehicle in competition for an Air Force contract. And in the human factors of space flight, Vought is already taking the lead with its orbital flight simulator and space-oriented cockpit laboratory.

AERONAUTICS DIVISION

Traditionally a vital field at Vought, aeronautics will see continued emphasis on design advancement. Scope will be broadened beyond manned aircraft to include a new generation of atmospheric missile types, antisubmarine systems, support systems and subcontracting.

Current contracts in this division include production orders for three versions of F8U Crusader series aircraft; study contracts in ASW; subcontracts for military and commercial aircraft assemblies, a Navy contract for development of an environmental protection and escape capsule for aircraft pilots.

CHANCE
VOUGHT
DALLAS, TEXAS



CDEC Unveils The Soldier Of Tomorrow

From first page—

garb, which may be available by 1965, is designed for a soldier who will traverse the nuclear battlefield on a zero ground pressure vehicle, either on an individual "flying platform" or as a member of a crew on a "flying car."

When he leaves his vehicle, his individual "jump belt" will assist him in accomplishing his mission with minimum difficulty from small terrain obstacles such as streams, cliffs, etc. The jump belt which he himself controls will give him the ability to propel himself through the combat area at will.

As part of his personal uniform, he will wear a lightweight fully transistorized helmet radio receiver by which he will keep in touch with other elements of his unit. Since he must operate as effectively at night as he does during the day, he will wear infra-red binoculars which, in conjunction with infra-red headlights, or searchlights on his vehicle, will facilitate his negotiating the battlefield area.

To protect himself against the enemy's infra-red detecting devices, he will carry an image metascope which, due to its size and weight, will be worn much like today's soldiers wear their binoculars.

To afford tomorrow's soldier maximum physical protection, he is equipped with a face mask to guard against the thermal effects of a nuclear attack, as well as hand coverings such as his gloves of molded plastic. His protection from flying objects, shrapnel and small arms is provided by a layered nylon vest and layered nylon groin armor.

Further protection is provided by explosive fox-hole diggers, which he carries slung across his back. In the event of impending nuclear attack, and provided he is warned in advance, he need only to replace his explosive fox-hole digger, ignites the fuse and wait for the blast. The resultant hole in the ground will give him below-ground-level protection.

Completing his personal uniform are lightweight "welded" combat boots—they have no stitches or nails—which will protect his feet from seepage of radio active dust, and water.

The individual weapon carried by the Soldier of the Future shown above is the M-14 rifle chambered for the 7.62 mm round. It is believed, however, that technology being applied by military-scientific teams will eventually produce for the Soldier a weapon extremely light

in weight and of high velocity. This weapon, in conjunction with other types now under development, will make it unnecessary for the Soldier of Tomorrow to clash with the enemy in hand-to-hand and bayonet-to-bayonet type combat.

CDEC explained it does not advocate that the Soldier of Tomorrow shown here is the absolute or positive fighting man of the future. He is, however, accurately representative of the fighting man in the 1965 era. As research and development continues, and as an active modernization program progresses, changes are bound to take place to increase this man's fighting potential and provide a better than reasonable degree of assurance that the U. S. Army will be prepared to meet and beat any aggressor, at any time, at any place in the world, on any nuclear battlefield."

Commands 41st Arty Group

Col. William Trabue has assumed command of Ft. Sill's 41st Artillery Group, succeeding Col. Sydney E. Sacerdote. Col. Sacerdote has been assigned to the Center for duty in the office of the Commanding General of Troops.

Captain

Jeffreys, D. E., USAR
Clark, Ralph C., SigC
Arengo, R. A., OrdC
Seavey, Harold W., Inf
Irvin, Frank P., AI
Toomoth, F. B., USAR
Stutz, R. R., OrdC

To 1st Lieutenant

Allaire, C. J., CE
Arnecke, C. O., jr, Inf
Bahnsen, J. C., jr, Inf
Bauer, Frank, Arty
Bell, Lawrence A., Inf
Boerner, D. H., Arty
Callahan, Jas J., CE
Caron, Robt P., Arty
Celeste, R., jr, Inf
Crouter, E. J., Inf
Fox, Eugene, Arty
Hardin, Jas A., Arty
Harris, Arthur M., Inf
Huff, Jerry H., Arm
Hull, Robt L., Inf
Inge, Bobby M., MSC
Kennedy, R. P., jr, Inf
Kirk, John M., Inf
Lemmon, S. L., jr, Inf
Martin, Geo J., Arm

TEMPORARY PROMOTIONS—

To 1st Lieutenant

Caldwell, Chellus M., Armor.
Bakken, Clarence O., Armor.
Bauer, Donnell G., Inf.
Miller, Robert S., AGC.

To CWO-3

Lagergren, Oscar A., QMC.

APPOINTED IN RA—

2d Lieutenant

Distinguished Mil. Stu.:
Mueller, Harold B., OrdC.
Stroh, George C., Inf.

HONORABLY DISCHARGED—

Zimmer, Lt Col Charles R., JAGC, pd.

BRANCH ASSIGNMENTS—

Meeker, 1st Lt Jo O; fr OrdC to Arty.
Ruder, 1st Lt Jesse H.; fr Inf to OrdC.
Bennett, 1st Lt Ferrell R.; fr TC to AGC.
Medley, 1st Lt George E.; fr OrdC to Armor.
Edwards, 1st Lt Emmett D.; fr Inf to FC.
Weeks, 1st Lt Robert E.; fr Inf to CE.
Williams, 1st Lt Robert C.; fr MPC to Arty.
Matthews, 1st Lt Church M.; fr Arty to OrdC.
Bates, Col Raymond H.; fr Arty to SigC.

DESIGNATED ARMY AVIATORS—

Gaughran, 1st Lt Stephen J., Arty, NG.
Wiener, 1st Lt Earl L., SigC, NG.
Senior Army Aviators:
Buckner, Capt Boyce B., CE.
Sanders, Capt James F., Arty, NG.
Greenhalgh, Capt Robert L., Arty, NG.
Bradley, Capt Glenn W., TC.
Chapman, 1st Lt John L., CE.
Master Army Aviator:
Simmons, Capt Flavius K., Arty.

ADVANCED ON RETIRED LIST—

McMurray, CWO-3 William T., to Capt.
Schumacher, WO Harold H., to Capt.
Galot, M/Sgt John J., to Capt.
Barat, M/Sgt Leon J., to 1st Lt.
Dias, M/Sgt Abilio, to 1st Lt.
Long, M/Sgt Leonard H., to 1st Lt.
Dunn, M/Sgt Albert W., to 1st Lt.

O'Campo, M/Sgt Eustaquio, to 2d Lt.
Stone, M/Sgt Charles F., to CWO-2.
Beahm, M/Sgt Arthur N., to CWO-2.
Montgomery, M/Sgt Cal, to WO.
Patterson, M/Sgt Frank S., to WO.
Runner, Sfc Dale L., to M/Sgt.

EM RET AND TRF TO USAR—

Withers, M/Sgt Jas M.
Absher, M/Sgt H. R.
Barkley, M/Sgt W. E.
Clawson, Sfc D. W.
Crosby, Sfc W. G.
Reed, M/Sgt Carl H.
Wood, M/Sgt Stanley
Kuenz, M/Sgt Paul H.
Fisher, Sfc Fredk L.
Beck, M/Sgt Daniel L.
Cauthen, M/Sgt C. W.
Conrey, Sfc Harry C.
Custer, M/Sgt John J.
MacMullen, Sp4 Geo A.
Mastrogiovanni, Sfc
Albert L.
Norgren, M/Sgt J. A.
Padgett, Sgt Robt E.
Warren, M/Sgt T. A.
Kauki, M/Sgt Robt V.
Lamont, Sgt Jack L.
Benge, M/Sgt C. C.
Bila, Sfc Alex
Carter, M/Sgt F. W.
Doyle, M/Sgt Jos S.
Horn, Sp5 Wm E.

ENLISTED MEN RETIRED —

Hughes, M/Sgt Kenneth E., as Maj.
Hughes, M/Sgt Edwin A., as CWO-2.
McGuire, M/Sgt Francis P., as Capt.
Peak, M/Sgt Raymond M., as Lt Col.
Farrow, Sp5 Chas W.
Speak, Sfc Arthur C.
Irby, M/Sgt Paul L.
Skuczas, Sfc C.
Carmean, Pfc Dallas
Anderson, Sfc L. D.
Allman, Sgt P. L.
Hyland, Pvt Fred A.
Mellon, Sfc Chas M.
Napier, Sfc Alfred M.
Terrell, Pvt Willie E.
Terry, Sgt Jas A.
Washington, Pfc J. T.
Eager, Pfc Robin M.
Harrison, M/Sgt R. L.

Chief Warrant Officer

McSweeney, W-3 F. D., MPC.
Bucy, W-2 Robert E., AGC.
McEwen, W-4 William R., AGC.
Davia, W-2 David W., CE, as W-3.
Lankford, W-3 B. R., TC.
Luce, W-3 Walter A., FC.
Fisher, W-4 Raymond A., AGC.
Sanner, W-2 Robert J., AGC, as W-3.
Walker, W-2 Donald L., QMC.
Dumpey, W-3 Paul J., QMC.
Dickson, W-3 Louis A.
George, W-4 Jesse E., AGC.
Linnweh, W-3 Walter L., QMC, as W-4.
Witt, W-3 Pleasant B., AGC, as W-4.
Sanford, W-2 Marvin O., QMC.
Wenzlick, W-4 George F., CE.
Culom, W-3 Eugene H., AGC.
Snow, W-2 Chester R., AGC.
Oteri, W-4 John, AGC.

OFFICERS TO TEMP DISAB RET LIST—

Adams, Lt Col George J., AGC (40%).
Gatlin, Lt Col Isaac A., Inf, as Col (60%).
Turner, Maj Frank M., QMC (60%).
Wood, Maj Thomas W., CE, as Lt Col (60%).
Bridge, Capt Carl J., MC (80%).
McDonald, CWO-4 Quinton, AI (60%).
Stull, CWO-2 Ainslee J., AGC (60%).
Shortess, CWO-4 Julian F., AGC (40%).
Winnie, CWO-2 Charles D., QMC.

RESIGNED—

Cap, Thaddeus W., MC.

Lt Colonel

Cap, Thaddeus W., MC.

Major

Carsey, Mary J., ANC.

Captain

Ledoux, Ramon M., TC.

Saal, Richard A., DC.

Nickerson, Fred E., OrdC.

1st Lieutenant

Seiser, Wm R., Arty
Marx, Thos J., FC
Watts, Robt C., QMC
Holt, Richard L., Arty
Walker, T. L., Armor

PROMOTED IN RA—

To Major

White, James T., jr, CE, 28 Jul '59.
W/DR 23 Jul '59:
Howard, R. L., DC

To Captain

W/DR as indicated:
Prevatt, Richard M., jr, SigC, 23 Jul '59.
Bamford, Charles F., 2d, Inf, 27 Jul '59.
W/DR 22 Jul '59:
Porter, H. C., jr, TC
Robbins, Wm C., MPC
W/DR 24 Jul '59:
Digison, Donald K.

Routh, E. LeR., SigC

—Continued on page 21

Army Orders

From page 18—

TRANSPORTATION CORPS—

Maj Gen Frank S. Besson, Jr, C of T

Colonel

Stewart, Marion G., Arlington, Va, to HQ USCONARC, Ft Monroe.

Lt Colonel

Hanks, James K., Brooklyn, to USATTC, Ft Eustis.

Thornton, Virgil H., Ankara, Turkey, to Germany.

Major

Tarver, Robert L., Ft Benning, to USATTC, Brooklyn.

Gardner, William H., Arlington, Va, to OC-OFT USA, Wash, DC.

Captain

Kaylor, John O., Ft Belvoir, to Japan.

Betti, Alder P., Ft Rucker, to 19th Trans Co, Ft Benning.

Horwitz, Milton, Ft Benning, to USA Elm MAAG, Taiwan, Taipei.

Myers, James L., Ft Bragg, to France.

To USAREUR, w/sta London, England

From Ft Eustis:

Holley, Fredk B., jr, Leggett, Jack L.

1st Lieutenant

Willis, Raymond E., Ft Eustis, to Off Stu Co, USAAVNS, Ft Rucker.

To Hawaii

Horne, J. D., jr, Ft Ord.

Jones, Herschel C., Ft Rucker.

2d Lieutenant

George, John E., jr, Ft Rucker, to Davison USA Afd, Ft Belvoir.

Wakefield, Donald J., Ft Eustis, to Germany.

To USATTC, Ft Eustis

From Ft Rucker:

Belew, Robt A.

Copper, Geo H., jr

From Cp Wolters to Station Indicated

Johnson, Charles H., 64th Trans Co, Ft Knox.

Meegan, Frank R., 8th Trans Co, Ft Bragg.

Haman, Eugene E., 3d Trans Bn, Ft Benning.

MILITARY POLICE CORPS—

Maj Gen Haydon L. Boatner, PMG

Lt Colonel

Grant, Francis A., Portland, Oreg, to USA Elm MAAG, Vietnam, Saigon.

Captain

Smith, Adair A., Ft Holabird, to Off and Enl Stu Co TPMG Sch USA, Ft Gordon.

Harvey, Lenman C., San Francisco, to 523d MP Svc Co USA Gar, Aberdeen Pr Gr.

2d Lieutenant

Barling, Robert F., Ft Jackson, to USA Arty and Msl Cen 64th Ord Co, Ft Sill.

WOMEN'S ARMY CORPS—

Col Mary L. Milligan, Director

Major

Onion, Margaret E., Ft Meade, to USA QM Tng Comd, Ft Lee.

Belknap, Florence M., Ft McClellan, to US-ASCS, Ft Monmouth.

Captain

Attaya, Mary L., Ft Meade, to US WAC Cen, Ft McClellan.

CHIEF WARRANT OFFICERS—

Mosley, W-2 James W., Portsmouth, Va, to USA AD Bd, Ft Bliss.

Moore, W-4 Robert J., Ames, Iowa, to USA Elm MAAG, Taiwan, Taipei.

Heltzman, W-3 Robert E., St Louis, to Atlanta Gen Dep USA, Forest Park, Ga.

Edrington, W-2 John B., Ft Scott, to USA Southeastern Sig Sch, Ft Gordon.

Wayman, W-3 Lynford A., Ft Churchill, to USA Gar, Aberdeen Pr Gr.

Nichols, W-2 George D., Ft Sheridan, to USAIC, Ft Benning.

Cagle, W-4 James M., Monterey, to USA ARMA Trans Det, Wash, DC.

To Korea

Connor, W-2 John H., Ft Rucker.

Elcheberger, W-2 Roger L., Ft Rucker.

Harriman, W-2 George H., Ft Devens.

Krienke, W-2 Albert F., Ft Rucker.

Randall, W-2 Donald L., Ft Bragg.

Perry, W-4 Douglas B., Ft Meade.

Steinfeld, W-2 Martin, Governors Isl, NY.

To Hawaii

Daneker, W-2 John G., Ft Bragg.

Robertson, W-2 Charles D., Ft Belvoir.

To France

Nilles, W-3 Al C., Ft Leonard Wood.

McDonald, W-2 Malcolm H., Granite City, Ill.

To Germany

Collier, W-4 Robert P., Ft Benning.

Virant, W-4 Leo B., Ft Meade.

Butchko, W-3 John, Ft Lee.

Stroderd, W-2 Wilbert J., Ft Benning.

Amyx, W-3 Carlos R., Columbus, Ohio.

Nichols, W-3 Mark E., Ft Bragg.

McCommas, W-2 Donald R., Granite City, Ill.

Dowling, W-2 Henry A., Ft Hood.

Mullahey, W-2 Michael F., Chicago.

WARRANT OFFICERS—

To Korea

Badia, Albert F., Ft Belvoir.

Powers, William D., Ft Bragg.

RETIRED—

Colonel

Lawrence, Charles W., jr, JAGC.

Peters, Charles W., QMC.

Lt Colonel

Ellenberg, Julian S., ChC, pd (80%).

Peel, Alfred R., DC.

Chief Warrant Officer

Footo, W-2 William A., QMC, pd (40%) as Lt Col.

Retired Upon Application

Colonel

Beasley, Oscar B., CE

Rain, Chas R., Inf

Butler, Laurel E., Inf

Lander, Quintin S., AI

Bristor, John D., CE

Lt Colonel

Melvin, A. D., SigC

Carpenter, Edwin J., JAGC, as Col

Lea, Thos R., Arty

Hayes, Andrew W., Inf, as Col

Davies, Sam L., Arty

Major

Favorite, Ralph S., CE

Lowe, Robt W., OrdC

Tartt, Roy L., Armor

Kravec, Emil, SigC

Lively, R. E., Inf

Handberg, R. B., Inf

Major

Reinert, Howard D., jr, Inf

Avery, Jas D., CE

Dempsey, M. E., Arty

Edwards, Geo F., QMC

Service Secretaries Report They Are Not Aware Of Improper Influence

From first page—

been bringing some pressure on some of the Congressmen to try to change your defense program and plan. Could you comment on that?"

Here is the President's answer:

"Well, I don't know who has a right to carry outside the White House any remarks I have been making, and to make those remarks public property. That is supposed to be a little bit of a private place over there, although maybe not always."

"I don't think I have used that word, Miss Montgomery, in public. I do say this: I may have, but I am not saying I didn't, but I don't believe I have."

"I do say this: But there is obviously political and financial consideration getting into this argument, rather than merely military ones, and that is produced when people have to advertise very strongly about a particular thing companies do—obviously something besides the strict military needs of this country are becoming influenced decisions."

As previously pointed out, there was no hint of "influence peddling" by retired military officers in either question or answer, nor has the President since expressed himself on the subject.

In a subsequent development, Senator Stuart Symington (D-Mo), a former Secretary of the Air Force, asked each of the Services to comment on the "munitions lobby" stories which resulted from the President's reply to Mrs. Montgomery's question.

Specifically, he asked three Service Secretaries if they had been subjected to, or if they knew of anyone in their Service who had been subjected to any "improper or undue pressure from private business interests in any matter having to do with contracts, purchase of materials, or anything of that character?"

Their answers, contained in letters released by the Senate Appropriations Committee, show none of the three Service Secretaries has any knowledge of such pressure.

Here are pertinent excerpts from Secretary Brucker's letter and the letters of Secretary of the Navy William B. Franke and Secretary of the Air Force James H. Douglas:

Secretary Brucker said "The most crucial decisions affecting procurement are made by or for the Army at the time when procurement programs are being formulated and approved. Participants in these decisions include the Army Technical Services, the Army Staff, the Army secretariat, the Office of the Secretary of Defense, and, in many instances, individual Members of Congress. At such times, manufacturers and their representatives seek full and favorable consideration of the types of equipment, weapons systems, or supplies which they produce or desire to produce to satisfy Army needs."

"This activity often complicates the job of decision-making officials, but is generally beneficial to the Army and the Government. It helps to make doubly sure that our initial procurement planning considers all alternatives and keeps abreast of industrial technology. Speaking for both the Chief of Staff and myself, we know of no decision affecting Army procurement programs which was determined by considerations other than the Army's need to secure the most satisfactory item on a timely delivery schedule and at a satisfactory price."

"Similar actions by manufacturers or their representatives might conceivably be exerted after a procurement program has been approved and released to the field for contract award. However, the Army gives constant attention to thorough training of contracting officers in the application of proper contract procedures as prescribed by law and regulation and repeated orientations on the code of ethics to insure that awards are based on evaluation of sealed bids and careful negotiations. Any cases where improper conduct is suspected are promptly and thoroughly investigated."

Secretary Franke said he discussed the matter "with the chiefs of the several bureaus and offices involved in procurement and with my principal civilian assistants in the Navy Department. I am not aware of any instances of undue pressure or influence by private industry which have affected the award of any procurement contract by officers of the Navy Department. Decisions on the purchase of defense materials are made by representatives of the Navy Department who are technically competent and designated to make such decisions."

"Contracts will continue to be awarded,

in accordance with existing laws and regulations, on the basis of the merit of the product and after sound decisions based on a thorough and competent review, in order that the most efficient and effective use of the defense dollar may be realized."

Secretary Douglas said, "I am not aware of any instance of improper or undue pressure being brought by private business interests which has in any way affected a decision of the Air Force in the selection of a weapon system for the Air Force. The system of weapons evalu-

ation and source selection of contracts used by the Air Force is such that completely independent evaluation are made by each of the interested elements of the Air Force and final decisions are made on the basis of the best technical knowledge that is available."

"Selections of contractors to build weapon systems is also made on the basis of individual evaluations on the basis of ability to perform and to produce the weapon system or material at the lowest possible cost consistent with the standards required for the weapon system."

Three Good Reasons why you should be insured with USAA

We could name many more, but even these three are reasons enough why you should be insured with USAA.



SAVINGS of 38.8% off standard rates are currently provided stateside USAA automobile policyholders. No other insurance company offers the same broad coverage at so low a cost. Such savings are possible because USAA is a non-profit association—policyholders are a preferred risk group*—and no salesmen are employed or commissions paid to secure business.



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GEOGRAPHICAL SERVICE USAA policies are in effect over a wide geographic area†. Claims are settled promptly even in the most remote places. Wherever USAA operates there are authorized attorneys and claims adjusters conveniently located to serve you and to expedite a settlement.

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*Membership in United Services Automobile Association is limited to active and retired Regular officers, midshipmen, cadets and warrant officers of the United States Army, Air Force, Navy, Marine Corps, Coast Guard, Public Health Service, Coast and Geodetic Survey; Foreign Service Officers of the Department of State; Reserve and National Guard officers when ordered to extended active Federal duty for a period of six months or longer; the widows of such officers and warrant officers so long as their status is not changed by remarriage. Reserve and National Guard officers who have established membership in USAA while on active duty and who are later released to inactive or retired status, may continue their insurance or renew their insurance at any time so long as they retain their commissions or warrants.

†USAA operates in the United States, its possessions and territories; Canada, Cuba and the Canal Zone; Japan, the Philippines, and certain U.S. bases in the Pacific; as well as in Western Continental Europe when the policyholder is on active duty.



Charles E. Cheever
Colonel, USA—Retired
President



UNITED SERVICES

Automobile Association

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Send information on insurance covering: ☐ World-Wide Household and Personal Effects Floater ☐ Comprehensive Personal Liability ☐ Automobile Insurance based on the following data:

Car Year	Make	Model	Body Type	Pass. Cap.	Serial Number	Motor No.	No. Cyls.
Cost	Purchase Date	New/Used	Current Car License Year State		Name in which car legally registered		

Is the automobile required by, or customarily used in the occupational duties of any person except in going to and from the principal place of occupation? _____

Is the automobile customarily used in driving to or from work? _____

If the automobile is customarily used in driving to or from work, how many road miles is the car driven one way? _____

How many male operators (including insured) are under age of 25? _____

Age of each: _____ Relationship: _____

Are any of the male operators under 25 owners, or principal operators, of the automobile? _____

Are all male operators under 25 married? _____

Is your automobile equipped with an air conditioner? _____

Name: _____ Rank: _____ Serial No.: _____

Military Address: _____

If car not at above address, give location of car: _____

☐ Active - Regular ☐ Retired ☐ Widow of eligible officer
☐ Extended active duty ☐ Inactive, but retaining commission

SCHOOL AND CAMP DIRECTORY

The Schools and Camps listed below are effectively equipped to care for the educational and recreational needs of the children of members of the services and this Directory is recognized as an authentic and reliable aid to service parents in solving the problem of child education. For details as to the Schools listed in this Directory address them directly or communicate with the Army Navy Air Force Journal Dept. of Education, 1710 Conn. Ave., N. W., Washington 9, D. C.

ALABAMA

MARION INSTITUTE

118th year. Fully accredited four-year Preparatory School and Junior College in the heart of the Deep South. Special preparation for Army, Navy, and Air Force Academies. Fully Military with Senior R. O. T. C. Small classes. Honor System. Sports. For view book write:



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Box J, Marion, Alabama

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BOYS 8-14

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Reisterstown 8, Maryland



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Established 1883

CORNWALL-ON-HUDSON, N. Y.

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LT. GERALD J. SULLIVAN, Ret., Principal
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NEW YORK (cont.)

★ THE MANLIUS SCHOOL ★

Accredited college preparatory and 7th and 8th grade. Military ROTC. Ski platoon. Tutorial assistance included. Close supervision of study. Students grouped by scholastic ability. Fall, winter, spring sports. 125 acre campus. For "Tutorial Method" and catalog, address:

ROBERT M. WEEKS, Dir. of Admissions
MANLIUS SCHOOL, MANLIUS, N. Y.

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Col. Jas. R. Risher, Headmaster, Bamberg, S. C.

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An Episcopal School ROTC Honor School Benedict Scholarships
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THESE SCHOOLS

Invite requests for catalogue and information. In writing kindly mention The Journal.

Ryan Gear Set For Army Plane

A contract for nearly \$3.5 million for installation of electronic Doppler navigation equipment in the Grumman Mohawk turboprop observation plane has been awarded Ryan Aeronautical Company, San Diego, by the Army Signal Supply Agency.

T. Claude Ryan, President, said the order assures production of the Model 120A navigation set by the Ryan Electronics Division into the spring of 1960, and follows an earlier \$900,000 letter of intent under which the program was started.

Ryan's Model 120A navigator is a small, light-weight, all-weather, self-contained, integrated navigational and flight instrumentation system, particularly suitable to the YAO-1 Mohawk, designed to operate from small unimproved fields. The 120A computes and displays ground speed and drift angle on an indicator and, in addition, provides electrical outputs of this data for use in other instrumentation in the aircraft.

The Model 120A is the outgrowth of Ryan's 12-year research and development program in continuous-wave radar, and was preceded by several other models installed in Army aircraft during the last few years.

The Mohawk is the first Army plane to use prop-jet engines (two Lycoming engines of 1005 h.p. each). It will be equipped with skis, enabling it to operate from mud, sand or snow with short take-off and landing capabilities, despite the fact that the YOA-1 is one of the largest (7700 pounds empty) fixed-wing aircraft ever to enter Army service.

Contract Awards

Radio Corporation of America has been awarded a Navy contract for the design of a "radically new type" of air conditioning system for submarines. Employing thermo-electric principles, the system will refrigerate without compressors, motors or other moving parts. As a result, the equipment can be made more rugged, more compact and more flexible than conventional air conditioners and will be easier to maintain, RCA scientists said.

Avco Corporation's Nashville Division has been named a second tier subcontractor for the B-70 Valkyrie 2,000 mph Air Force bomber.

Avco's contract is with the Georgia Division of Lockheed Aircraft Corporation, which is a first tier subcontractor to North American Aviation, which designed the B-70 and is the weapon system contractor for the Mach 3 bomber.

Ryan Aeronautical Company of San Diego, has been awarded an Air Force contract to study the application of ultrathin gauge, high strength materials to a vehicle capable of operating at extremely high altitudes. Details of the vehicle's configuration or mission were not disclosed, but it was reported that "it is expected to operate at extreme altitudes to determine environmental conditions affecting the functioning of unique propulsive devices."

Vitro Laboratories, Silver Spring, Md., a division of Vitro Corporation of America, has been awarded four contracts totaling \$225,000 to expand services in the field of weapon system simulation and training devices. Three of the contracts are with the Naval Training Device Center, Port Washington, N. Y., and the other is with Curtiss-Wright Aircraft Company, Carlstadt, N. J. The contracts have to do with Naval warfare.

Trion, Inc. of McKees Rocks, Pa., has been awarded a contract for 16 additional electronic air cleaning units to be installed in the nuclear submarines Nautilus and Skate. The new units, eight to be installed in each ship, will augment single-unit Trions.

Lockheed Aircraft Service, Inc., has received two Navy Bureau of Aeronautics contracts amounting to \$13.1 million for maintenance in Honolulu and Jamaica, Long Island, N. Y., on aircraft belonging to Early Warning Squadrons. Approximately 165 aircraft are involved.

R. W. Hanford Joins RCA Military Systems Unit

Richard W. Hanford, an authority in the fields of missile guidance, fire control systems, and nuclear instrumentation, has joined the engineering staff of Advanced Military Systems, Defense Electronic Products, Radio Corporation of America, Arthur L. Malcarney, RCA Executive Vice President, has announced.

Mr. Hanford had been Technical Director, Missouri Research Laboratories, St. Louis, prior to joining the RCA group, established last November at Princeton, N. J., to create and develop new and advanced weapon system concepts.

He joined the staff of the Nucleonics Division, Naval Research Laboratory in 1947 where he was concerned with reactor design and development of nucleonic instrumentation and control systems. From 1950 to 1953, Mr. Hanford was Supervisor, Electronic Development, of the General Electric Company's Aircraft Gas Turbine Division and Aircraft Nuclear Propulsion Project.

In 1953, he joined the Link Aviation Company in Binghamton, N. Y., as Senior Electronics Engineer and from 1955-1957 was associated with Chance-Vought Aircraft, Inc., Dallas, as Supervisor, Guidance Design, concerned with guidance systems for the Regulus and other missiles.

G-E Reports Army Propulsion Contract

Award of an Army contract for a new kind of aircraft propulsion system was reported by Mr. Arthur Adamson, Manager of the General Electric Company's Vertical Take Off and Landing Operation.

The contract is for the fabrication, test, and analysis of a tip turbine lift fan propulsion system.

Described as a "convertible VTOL powerplant," the new engine is designed for aircraft that can take off straight up, hover over a target, and move forward at high speed.

This system has three basic components—a conventional jet engine, a diverter valve and a lift fan. The jet and the fan are connected by a tube-like duct. The diverter valve located in this duct controls the direction of the flow of hot gas from the jet engine.

During vertical flight, the diverter valve will deflect hot gas from the jet to a turbine which will drive the lift fan. For level flight, the diverter valve system will "convert" the engine to operate as a straight jet.

Mr. Adamson explained that aircraft need much more power for vertical take-off than for level flight. This difference or mis-match in power-needs presents one of the most difficult problems in designing vertical take-off engines.

G. E.'s lift fan engine is designed to obtain good operating efficiency from the jet engine at cruise during level flight. The lift fan will augment the power of the turbojet and provide the added thrust required for vertical take-off and landing.

Among the potential uses for these new engines are a transport and observation aircraft. A VTOL transport powered with four of these units could carry a 4,000 lb. payload for 600 nautical miles at speeds up to 320 knots.

A VTOL observation aircraft, using a different engine arrangement, could carry a two-man crew and a 600-pound payload of electronic observation equipment over a radius of 200 miles. In addition, it could hover or loiter over a given location for two hours to carry out observation activities.

Westinghouse Electric Corporation has won the first Navy Bureau of Aeronautics development contract calling for "value analysis." The \$508,190 award is for the development of airborne radar target simulators. Under a newly formed Value Analysis Committee, the development contract will come under continuing scrutiny to assure the Navy it is getting the greatest possible value for the defense dollar. Navy officials explained that the value analysis program is designed to accomplish cost-reduction and better value buying particularly in large volume contracts, but smaller contracts, such as those for design and development, will also be examined under this program.

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Army Orders

From page 20—

Ellis, Donald D, Arty
Hyde, Darwin S, Arty
W/DR 25 Jul '59:
Allen, L E, SigC
Beebe, Jno McR, Arty
W/DR 28 Jul '59:
Dodds, Jack A, AGC
Dunlap, Robt R, Arm

To 1st Lieutenant

Sullivan, Noel E, Arty, 22 Jul '59.
McFarland, Timothy V, Arty.

W/DR 23 Jul '59:
Abruzzese, J P, MPC
Anderson, D F, SigC
Baldwin, Robt C, Inf
Barnum, R C, MPC
Garside, Robt E, Arty
Leckinger, Paul A, Inf
Lehner, Wm J, jr, Inf
W/DR 24 Jul '59:
Allman, J W, jr, Arty
Barbery, J W, jr, Arty
W/DR 25 Jul '59:
Garrett, Jas W, Arm
High, Chas S, Arty
W/DR 27 Jul '59:
Campbell, Chas B, TC
Cooper, Robt T, Inf
W/DR 28 Jul '59:
Croft, John A, QMC

Wirthlin, F R, Arty
Purple, Robt A, CE
Queeney, Edw L, Arty
Foster, Edw H, CmlC
Young, C E, TC

Maguire, Jas E, QMC
McClain, T W, Inf
Meyer, Allan E, MPC
Nack, John M, TC
Stein, Edw J, jr, Arty
Wojtal, Robt J, Inf
Smith, Albert J, Arty
Joiner, C P, jr, Arty
Loop, Jas W, Arty
Harwig, D H, CE
Schofield, D G, Inf
Dyke, Chas W, Inf

RA PROMOTIONS CONFIRMED—

To Colonel

Miller, George P, MPC.

To Lt Colonel

Bascom, P W, DC
Flavelle, E L, ANC
Houston, E F, ANC
Forsythe, L M, AMSC
Jones, E C, AMSC
Maita, W Z, ANC
Moseman, M E, AMSC
Shaver, R C, jr, DC

To Major

Amos, H O, jr, Arty
DuBois, K F, MPC
Elliott, John W, TC
Fellerman, E K, MSC
Greer, Chas F, Inf
Gudgel, E F, jr, Arty
Hinrichs, H H, MSC
Johnson, F J, AMSC
Mann, Robt J, Arty
McNamee, R W, jr,
Ordc

To Captain

Allen, Jas L, Inf
Anderson, Jas L, Inf
Arata, Jas A, MC
Atkinson, F W, jr,
Arty
Berry, Billy E, AGC
Brake, John W, Inf
Brennan, Wm F, Inf
Brodin, Thos T, Inf
Burk, Billy D, MC
Burke, Martin J, SigC
Butterworth, Jas R,
Ordc
Buzzell, K E, MPC
Carter, U B, Arty
Chung, D Y B, AGC
Clark, Donald E, SigC
Condina, E F, Inf
Davis, Geo R, SigC
DeAngelis, J A, Arm
Deverill, A P, jr, Arty
Dymont, L W, jr, Inf
Foley, John V, CE
Geer, Thos McG, MC
George, R L, Inf
Kern, Thos F, DC
Lehan, Jas F, jr, SigC
Littlejohn, J N, QMC
Mechtly, I R, jr, CE
Meinhardt, H P, Arty
Mertz, H L, jr, DC
Meyer, Alvin J, Arty
Meyer, Henry R, Arty
Miles, Chas D, OrdC
Misch, John M, Arm
Oltman, R M, Inf
Opel, Donald M, Arty
O'Sullivan, W S, CE
Phillips, Jas V, Arm
Rafferty, Robt R, Inf
Rallens, L D, Arty
Reeve, John H, Arty
Reid, Jas A, Inf
Rigney, Max E, MSC
Risch, Theo D, Inf
Rollins, Robt L, Arty
Royals, Gerald E, TC
Russell, Robt L, Arty
Schrack, Neil W, Arty
Story, Richard E, TC

Atlantic Fleet Amphib. Squadrons Change Places

Seven ships of Amphibious Squadron SIX are relieving Amphibious Squadron FOUR with Sixth Fleet.
Capt. J. W. Howard aboard the Taconic (AGC-17) will lead PHIBRON-6 in the Mediterranean deployment.

The 3d Battalion, 8th Marines commanded by Lt. Col. J. F. Paul will be with the squadron, whose ships are Monrovia APA-31, Capricornus AKA-57, Rockbridge APA-228, Casa Grande LSD-13, Shadwell LSD-15, Walworth County LST-1164, and Lorain County LST-1177.

Another PHIBRON-6 vessel the Tallahatchie County LST-1154, is going to Rota, Spain, for amphibious construction battalion support duty with the Sixth Fleet.

Amphibious Squadron FOUR, commanded by Capt. F. J. Blouin returns to Norfolk in August. The returning ships are: Fremont APA-44, Rankin AKA-103, Ft. Mandan LSD-21, DeSoto County LST-1171, Grant County LST-1174, and Talbot County LST-1153, in company with the Mt. McKinley AGC-7.

Embarked with PHIBRON-4 are members of the 3d Battalion, 2nd Marines from Camp Lejeune, N. C.

Both squadrons are units of the Atlantic Fleet Amphibious Force, headed by VAdm. George C. Towner.

Army Promotes 30 To Lt. Colonel

The following 30 majors were promoted to temporary lieutenant colonel in S.O. 153, effective 4 August. They included majors through Sequence Numbers 275 Army, and 27 Chaplain lists in Circular 624-47, dated 9 March.

Alderman, G L, CH
Arvin, Chas R, Arty
Attaya, H E, jr, OrdC
Bogh, Roy E, Arty
Brotherton, H A, OrdC
Brown, Wm J, CH
Butch, E R, CE
Curran, Edw A, CH
Dennin, John H, MPC
Dudek, A A, CH
Eddy, John H, Inf
Farber, Leo J, Arm
Handy, J W, jr, CH
Hutchison, R J, CE
Koepeke, Theo V, CH
Luettgen, Edw M, CH
Marler, Jas D, CH
McElwee, A J, CH
Mills, Robt E, SigC
Morton, Paul A, Arty
Plaisance, E B, OrdC
Raley, Perry T, CH
Ruggieri, Jos F, CH
Scott, Osborne E, CH
Shoemaker, A M, CH
Skogsberg, P L, Arm

Griffith, J G, 2d, DC
Halvorson, J A, Arty
Hawkins, L L, FC
Hayden, Robt T, Arty
Heathcock, J T, Arty
Hill, Wm C, QMC
Holtz, Edw S, Arty
Horne, J C, jr, Arty
Jacobs, K R, QMC
Jagers, J N, jr, Inf
Jameson, J G, jr, Inf
Tarpley, Wm T, MC
Van Horn, R H, Arty
Van Meter, M R, Inf
Walker, Robt O, QMC
Warden, Jas R, Inf
Whitener, H J, Inf
Whiting, Fredk D, 3d, Arty
Woutersz, T B, MC
Zalce, Jos E, MPC

USAF Orders

From page 11—

21 Jul: Grundy, Francis C; Lane, David T; Marshall, Richard W.
22 Jul: Gallup, Kenneth W; Martz, Robert; Walsh, Theodore H.
24 Jul: Helm, Edward M.
25 Jul: Miller, James M; Nelson, Ben; Vinay, John H, jr.
26 Jul: Hunt, Donald E; Lincoln, Brian J; Moon, Donald B; Odiome, John M; Severn, Theodore; Wilson, Donald L; Winner, Donald C.
27 Jul: Berkman, Allen W; Holcomb, Albert L; Keir, James M, jr; Lyon, Herbert A; Sargent, Everett E, jr.
29 Jul: Bethurim, James L, MSC; Bourg, Edward J.

To Captain

DR 1959

15 Jul: Burgess, Lyle P; Weaver, Donald E; Winters, Donald E.
21 Jul: Ethridge, Walter; Francis, Frederick W, jr.
22 Jul: Gislser, Donald B, VC; Klepinger, John R.
23 Jul: Cook, Marjorie, NC.
24 Jul: Palmer, Dale M; Stevens, Richard D.
25 Jul: Creighton, Arthur F, jr; Marks, Orland E; Wilson, James F, jr, CH.
26 Jul: Demott, James M, CH; Howard, Lee R.
27 Jul: Barstad, Stuart E, CH; Dudley, James E, jr; Garber, Harry D, jr; MacDecy, John, jr; Geller, Harry J.
28 Jul: Anderson, James S; Horner, George R; McCarthy, James R; Ridgway, David T; Robison, Dan R, CH; Sidereas, Arthur L.
29 Jul: Engleson, Robert L.

To 1st Lieutenant

DR 1959

9 Jun: Cervantes, Manuel, jr; VanMeter, Thomas R.
10 Jun: Wadsworth, Donald L; Wyatt, James G.
12 June: Kern, David C.
13 Jun: Moore, George H; Socolofsky, Lowell E; Stewart, Clarence A.
14 Jun: Dickerson, David F.
15 Jun: Brewer, Allen J; Clark, James C; Woodnal, Robert F.
22 Jun: Cole, George F; Herring, Alfred D; Searle, Robert A.
23 Jun: Heap, Larry A.
24 Jun: Allen, Edgar D.
25 Jun: Cobb, James B, MSC; Osborne, Edwin N, jr.
26 Jun: Payne, Edward D.
28 Jun: Derhammer, Ned E; Mizner, Arthur C; Waddell, Franklin D.

—Continued on page 23

Sullivan, M L, CH
Thompson, E G, OrdC
Watkins, R G, Inf
Whittington, M S, CH

They Make Captain

The following first lieutenants were promoted to captain in S.O. 153, extending through Sequence Numbers 1704 Army, 91 MSC, and 65 ANC lists in Circular 624-43, dated 27 January.

Andrews, Edw P, Arty
Angstadt, John P, CE
Appleton, J L, jr, CE
Apuna, S K, jr, AGC
Ayers, Robt E, CE
Barton, Jack L, Arty
Bauerband, E H, jr, TC
Bell, Wm R, Inf
Bentley, Robt H, SigC
Bingham, E D, SigC
Bostian, Robt E, SigC
Brewer, C A, Arty
Goetz, Jerald L, CE
Grum, Allen F, CE
Heiberg, E R, 3d, CE
Johnston, W R, Arty
Kallman, M E, CE
Knox, Jas R, CE
Lammie, Jas L, CE
Leonard, R E, CE
Loftin, Lorene F, ANC
Mann, E E, jr, Arty
Mansperger, M T, ANC
McLay, Edwin J, SigC
Noah, Max W, CE
Peterson, T R, CE

Army Navy Air Force Journal 23
8 Aug. 1959 (Vol. 96, P. 1503)

Campbell, Wm J, MSC
Cates, Arthur J, Inf
Chezem, Jimmie A, TC
Cole, Alberta M, ANC
Daggit, Edw A, Inf
Davis, Albert W, Arty
Davis, M D, ANC
Deming, Anne S, ANC
Elnelgi, R J, CE
Ellman, R P, SigC
Fiala, Chas J, CE
Friesen, H E, Arty
Rowe, Wm P, Arm
Runnion, Alex R, CE
Rush, Early J, CE
Schaefer, F A, Inf
Sheard, Joe H, CE
Sheridan, A J, TC
Sibley, Jas S, CE
Smith, Rodney H, CE
Suplizio, Paul E, Arty
Yu, Howard H C, Inf
Zahller, H V, OrdC

L/C Miller Will Join 8th AF

Formerly Manpower and Organization Division Chief for the Sixteenth Air Force in Spain, Lt. Col. George L. Miller has been reassigned to Eighth Air Force at Westover AFB, Mass.



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WASHINGTON, D. C. LITTLE ROCK SAN DIEGO
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SERVICE FAMILY NOTES

Family Editor
Louise B. McGilfert

Associate Family Editor
Bertie Johnson

Mrs. Fitzwilson Heads LeRoy Johnson Club



MRS. Crane P. Fitzwilson (second from left) is the new President of the Camp LeRoy Johnson Officers' Wives' Club at New Orleans. Club members taking part in the recent installation ceremony were, left to right: Mrs. George R. Russell, Honorary President and wife of Colonel Russell, Commanding Officer of Camp LeRoy Johnson; Mrs. Fitzwilson; Mrs. Thomas A. Claunch, Vice President; and Mrs. Morton E. Townes, Honorary President, and wife of Brigadier General Townes, Commanding General of the U. S. Army Transportation Terminal Command, Gulf. (Photo by SP4 Maurice Reinier)

Wives In Thailand Elect Mrs. Patrick

The JUSMAG Wives' Club in Bangkok, Thailand, has elected Mrs. Harlan H. Patrick to succeed Mrs. Frederick C. Seyford as President. Mrs. Harry R. Luebke was chosen Vice President; Mrs. Herbert T. Armstrong, Secretary; and Mrs. Harold C. Werner, Treasurer.

Members of the JUSMAG Club recently held a Farewell Tea in honor of Mrs. Peter C. Hains, III.

At the Tea, which was also attended by Thai friends, Mrs. Hains was presented with a Stone Rubbing framed in Thai silk.

General and Mrs. Hains have been reassigned to Hawaii.

Service Folk

Miss Frankie Watts, 17-year-old daughter of M/Sgt. and Mrs. Walter E. Brown of Robins AFB, Ga., has won a \$2,000 Health Scholarship by the National Foundation for four years of college training as an occupational therapist. Her first year will be spent at the Texas Woman's University at Denton.

Mrs. Walter A. Downing, Jr., Honorary President of the Antilles Command Officers' Wives Club, left Puerto Rico 3 August with her husband and daughter, Lynn, for Ft. Amador, C. Z. where Colonel Downing has been assigned as CofS, U. S. Army Caribbean.

Mrs. John Ackerman has been appointed volunteer Chairman of Entertainment for the Bexar County, Tex., Chapter of the American Red Cross. A native of New Zealand, she is the wife of Maj. Gen. John Ackerman, USAF, Deputy Commander of Security Service at Kelly AFB. They reside at 1918 Lawndale, San Antonio.

Recruit Lawrence G. Gunn of Ft. Carson, Colo., has been selected to enter the next class at the U. S. Military Academy Preparatory School, Ft. Belvoir, Va. He is the son of Col. James R. Gunn, Jr., Ent AFB, Colo., commander.

Lt. Col. and Mrs. V. E. Bird, USA, 3502 Halcyon Dr., Alexandria, Va., announce the adoption of a baby boy, John Norman, age 10 days. They have another adopted son, James Edward, age five years.

Col. and Mrs. W. F. Ashenfelter have arrived at Ft. McPherson, Ga., from the Presidio of San Francisco. Colonel Ashenfelter has been assigned as Headquarters Third U.S. Army Finance and Accounting Officer. Their son "Chip" is employed in San Francisco as a Construction Engineer for Montgomery Ward & Company.

Lejeune Wives Receive Navy Relief Award



BRIG. Gen. Sidney S. Wade, CG, Marine Corps Base, Camp Lejeune, N. C., presents 100-hour Navy Relief award pins, left to right, to Mesdames Frank A. Koethe, George S. Murray and Phillip A. Wittman. Award pins were also earned by Mesdames James S. Webb, Jr., Clair A. Hunter, Thomas D. Stockwell, William S. Gerichten, Chester Baldyga, and J. R. Holman.

L/C Richmond Is Devens I.G.

Lt. Col. Kimball R. Richmond has been named Inspector General at Ft. Devens, Mass., following two years with the U. S. Military Mission in Iran.

Serving with the "Big Red One" 1st Infantry Division during all of WWII, he was awarded the DSC.

Colonel Richmond now makes his permanent home in Brewster, Mass., where Mrs. Richmond and their three children reside. Mrs. Richmond is the former Margaret-H. Blany of Winsor, Vt.

L/C Gates Staff Secretary

Lt. Col. John L. Gates has been named Secretary of the General Staff at Fourth Army, Ft. Sam Houston, Tex.

With his wife, Mary, and two children, John, Jr., 15, and Stephen, 9, he resides at 330 Rexford Drive in San Antonio.

Col. J. O. Jones Is Deputy

Col. James O. Jones, recently graduated from the Army War College at Carlisle Barracks, Pa., has been assigned as Deputy Post Commander at Ft. Riley, Kans. He replaces Col. Lincoln Wood, USA-Ret.

Travis Wives Group

Chooses Mrs. Jean Hare

The Officer's Wives of the 29th Artillery Group (Air Defense) at Travis AFB, Calif., has elected new officers.

Outgoing officers were Mesdames Woolf P. Gross, Chairman; John C. Mortimer, Secretary; and James T. Pope, Treasurer.

Newly elected officers are Mesdames Jean M. Hare, Chairman; Ralph H. Gonzales, Vice-Chairman; William J. Kruger, Secretary; and James W. Everett, Treasurer.

Mrs. Malcolm F. Gilchrist, Jr., wife of Colonel Gilchrist, who commands the 29th Artillery, poured at a coffee which preceded the election.

Mrs. Waldorf Is Elected By Heidelberg Wives

The Heidelberg-Mannheim Signal Officers' Wives Club in Germany has elected a new board of officers, headed by Mrs. Francis E. Waldorf, President.

Other new officers are Mesdames Paul R. Poulin, Vice President; Gerald F. O'Connell, Secretary, and Jackson W. Stewart, Treasurer.

Samuels Choose S.F.

Col. Andrew Samuels, Jr., USA-Ret., former Deputy Commander of the 2d Region, Army Air Defense Command, Ft. Meade, Md., and his wife, former Charlotte Crichlow of Nashville, Tenn., will make their home in San Francisco. They have three daughters, Mrs. Sue Flory, wife of 1st Lt. Robert Flory; and twins from Washington College, Chestertown, Joan and Anne, who graduated this year Md., where they majored in Biology.

"Powder Puff" Sisters



THIRD place honors in the 1959 International Air Race known as the "Powder Puff" Derby went to Margo and Sandra Callaway, daughters of Lt. Col. and Mrs. Richard D. Callaway of Clinton County AFB, Wilmington, Ohio.

Flying tributes given Margo (right) 17, and her sister Sandra, 19, at the post-race pilot's banquet in Spokane, Wash., included cash and trophy awards for third place; individual awards from both the AC Spark Plug Company and the Pilots of Washington Water Power; and a special award from "Flying Magazine" for being the crew who, with a minimum of combined solo flying time, made the best score in the all-woman air race.

The Callaway girls also received the Cessna Aircraft Company award for obtaining the best flying score made by an entrant flying a Cessna 140-120 aircraft.

Margo and Sandra, youngest team ever to compete in the derby, placed second in last year's Powder Puff. They are sponsored by the Decker Corporation of Bala Cynwyd, Pa.

Mrs. Fate Is Greely Wives Club President

New President of the Ft. Greely, Alaska Officers' Wives' Club is Mrs. Robert Fate, who succeeded Mrs. Edwin Gravel.

Other newly elected officers are Mesdames Robert Rice, Vice-President; Ernest Terrell, Jr., Secretary; Ethel Kindard, Treasurer; and Donald Kendall, sr., Assistant Treasurer.

Representatives at large are Mrs. Philip Traupane and Mrs. Edward Eneboe.

Tobyhanna Wives Elect Hazel Parry

The Tobyhanna, Pa., Signal Depot Officers' Wives' Club, under Direction of Mrs. Mary Poutre, wife of Col. Clifford A. Poutre, Commanding Officer, opened its July meeting with retiring chairman, Mrs. Jean Moran presenting the gavel to newly appointed chairman, Mrs. Hazel Parry.

Appointed to assist Mrs. Parry are: Assistant Chairman—Mrs. Maxine Kelley; Secretary-Treasurer—Mrs. Josephine Mullen; Social Committee—Mrs. Roberta White; Hospitality Committee—Mrs. Lucinda Gould and Mrs. Alice Kahl; and Publicity Committee—Mrs. Rita Madison.

Army Lifeguard Saves Navy Mother-Daughter

General I. D. White, CinC, U. S. Army, Pacific, recently received a letter from Mrs. C. E. Garbrous, wife of a Navy Chief Storekeeper in Honolulu, concerning the heroism of SFC James Enos.

Sergeant Enos, a lifeguard patrolling the beach at Ft. DeRussy, heard two young girls calling for help in rough water about 75 feet offshore. The girls were Gail Garbrous, 10, and her friend, Bonnie Acosta, 8. They had jumped off a wall that juts out into the surf and then found the water over their heads.

Mrs. Garbrous jumped in after them and was struggling to keep them afloat when Sergeant Enos came to their aid. The waves were unusually high. Mrs. Garbrous told General White. She said it would very probably have been a tragedy had not the Sergeant arrived when he did.

Mrs. Heads Aviation Group At Ft. Lewis

Mrs. James R. Harris is the new President of the Army Aviation Wives Club at Ft. Lewis, Wash.

Other new officers are Mesdames Robert G. Openshaw, Vice-President; James Clauch, Secretary; Darrel Nelsin, Treasurer; Charles W. Sloan, Program Chairman and George E. Knowles, Publicity Chairman.

Retiring officers are Mesdames Thomas F. Perkins, Maurice C. Bone, Robert N. Duffy, Richard H. Ferriter, Rufus R. Hart and Lawrence Lombardo.

Col. Zais Is 7th Army G-3

Col. Melvin Zais, former Deputy G-1, USAREUR, has succeeded Col. Patrick F. Cassidy as Seventh Army G-3.

Colonel Cassidy has been reassigned to Schools Division, G-3, Continental Army Command, Ft. Monroe, Va.

Seventh Army's new G-3, who previously served as Chief of Combat Developments Division, Department of the Army, is a master parachutist.

Service Weddings and Engagements

GENERAL Lauris Norstad, USAF, Supreme Commander of Allied Powers in Europe, and Mrs. Norstad announce the engagement of their daughter, Kristin, to Nicholas Wesson Crow, son of Mrs. Demas T. Crow of Charlottesville, Va., and the late Colonel Crow.

Miss Norstad studied at schools in France and attended Le Grand Verger, Lausanne, Switzerland, for two years. She also attended Connecticut College for Women in New London.

Her fiancé was graduated from St. Paul's School and Princeton University. He will enter the Johns Hopkins School for Advanced International Studies in October.

A September wedding in Paris is planned.

SULLIVAN-KANE—Miss Frances Joan Kane, daughter of Lt. Col. and Mrs. George F. Kane, 7818 Harris Loop, Argonne Hills, Ft. Meade, Md., and 1st Lt. Robert Francis Sullivan, son of Mr. and Mrs. Thomas H. Sullivan, Amesbury, Mass., were married 1 August at the Ft. Meade Post Chapel. Father Frederick A. Brew, S. J., of Georgetown University, Washington, D. C., performed the double ring ceremony.



Photo by Harris and Ewing
Mrs. Sullivan

The bride, given in marriage by her father, had her sister, Miss Marie B. Kane, as maid of honor, and a younger sister, Miss Margaret Ann Kane, as junior bridesmaid. Other attendants were Misses Anne Craig; Mary Lou McDonough; Sue Major, Beverly Kane; Carolyn McBride, Elsie Bachmann; Mrs. Thomas Comstock and Mrs. William Kendig.

Mr. Thomas Sullivan was best man for his brother. Ushers were Messrs. Edward Ryan; William Sullivan; William Wenzel; George R. Kane; Robert Ray; and Lts. Joseph Falvey; Theodore Kegelman and David McKenzie.

The bride attended Immaculate Conception Academy, Washington, D. C. Lieutenant Sullivan is a graduate of Boston University.

JEFFERIS-REDIHAN — Miss Gloria Elaine Redihan, daughter of Col. (AUS-Ret.) and Mrs. Bernard Francis Redihan, Martinsville, N. J., became the bride 25 July, of Lt. Robert James Jefferis, USA, son of Mr. and Mrs. William Raymond Jefferis, Kennewick, Wash., at the Church of the Blessed Sacrament, Martinsville. Rev. Amedeo L. Morcello performed the ceremony and celebrated



Photo by Somerset
Mrs. Jefferis

the Nuptial Mass.

Given in marriage by her father, the bride had her sister, Mrs. Henry Erle Childers, jr., of Warwick, R. I. as matron of honor. Bridesmaids were Mrs. Bernard Francis Redihan, jr., of Norwood, Mass., and Miss Joan Anne Williams, of Jersey City, N. J.

Lt. John D. Bieber was best man. Ushers were Lt. Francis E. Googins and W. O. Jacques R. Cordell.

The bride attended Boston University, College of Practical Arts and Letters, where she was a member of Phi Theta Delta sorority. Lieutenant Jefferis was graduated from Eastern Washington College, Cheney, Wash. He is assigned to Battery "B," 2d Missile Bn., South Plainfield, N. J.

WEZNIAC-TULL — Col. (USAF-Ret.) and Mrs. Lloyd H. Tull, of Clemson, S. C., announce the engagement of their daughter, Nannie Harrison, to Frank John Wezniak, son of Mr. and Mrs. John Wezniak, of Bellevue, Fla., and Springfield, Mass.



Photo by Lockwood
Miss Tull

Miss Tull is a 1959 graduate of Wellesley (Mass.) College. Her junior year was spent in France with the Sweet Briar Group studying at the Sorbonne. Her grandparents are Brig. Gen. (USAF-Ret.) and Mrs. Augustus B. Warfield of Stockton, Calif.

Mr. Wezniak is an alumnus of Brown University, Providence, R. I., where he was a member of Delta Upsilon fraternity. Following active duty as a lieutenant (jg) in the Navy, he entered Harvard Business School, where he received his master's degree.

The wedding is planned for 5 September in Clemson.

GAECKLE-SHARPE — Miss Elizabeth A. Sharpe of Philadelphia, and Col. William H. Gaeckle, 2018 Locust St. Shore Acres, N. J., were married at noon 25 July in the Baptist Church, Erlton, N. J.

The bride was attended by her cousin, Miss Sandra Heier, and Mr. K. B. Russell served as best man.

Mrs. Gaeckle is Administrative Assistant to Brig. Gen. Elmer L. Littell, CG, U. S. Army, Signal Supply Agency, Philadelphia. Colonel Gaeckle is the Dep. Commanding Officer of the Agency.



Mrs. Gaeckle

EMMONS-MILLER—Maj. Gen. (USAF) and Mrs. Troup Miller, jr., announce the marriage on 26 July of their daughter, Marilyn Troup, to James Everette Emmons, 3d, son of Mr. and Mrs. J. E. Emmons, jr., of Tullahoma, Tenn. The ceremony was performed by the Rev. William D. Inghram, pastor of the First Presbyterian Church, in Tullahoma.



Mrs. Emmons

The bride, who is the granddaughter of Mrs. Thomas Dent Meador, and the late Mr. Meador and of Mrs. Troup Miller and the late General Miller, USA, attended the University of Tennessee where she was a member of the Chi Omega sorority. She made her debut at Queen Charlotte's Ball in London in 1955, and was presented at the Cotton Ball in Chattanooga, Tenn., in 1957.

Mr. Emmons, a 2d lieutenant, USAR, was graduated from Tullahoma High School and Vanderbilt University where he was a member of Sigma Chi fraternity. He is the grandson of Mr. J. E. Emmons, and the late Mrs. Emmons, and of Mrs. Means Johnston and the late Mr. Johnston, and the great-grandson of Mrs. E. M. Birdsong, Schlatter, Miss. He is employed by McCarthy, Jones and Woodward in Nashville, where the couple will make their home.

ANONSEN-INGRAM — Colonel and Mrs. Downs E. Ingram announce the marriage 25 July of their daughter, Dawn McGregor, to 1st Lt. Charles E. Anonsen, son of Mr. and Mrs. Willard Anon Anonsen, of Minneapolis, at the Base Chapel, Selfridge AFB, Mich. Chaplain John W. Freed performed the Lutheran ceremony.

The bride, granddaughter of the late Col. (USA) and Mrs. Fred Charles Netcher, was attended by her mother, Mrs. June N. Ingram. Colonel Ingram is deputy commander of the Tenth Air Force, Selfridge AFB. 1st Lt. George B. Wallace was best man.

The bride attended Adelphi College, Garden City, Long Island, N. Y.

Lieutenant Anonsen, a graduate of Minnesota's St. Olaf College, is a fighter pilot with the 71st Fighter Interceptor Sq., Selfridge Air Force Base.

DUTCHER-MUSCAVITCH—The marriage of Miss Lucille Muscavitch, of Burbank, Calif., and Lt. Barent C. Dutcher, son of Col. and Mrs. Harold W. Dutcher, 1020 Garrity Rd., San Antonio 9, Tex., took place 20 July at the Main Post Chapel, Ft. Sam Houston. Chaplain R. J. Huebner officiated.



Mrs. Dutcher

The bride was given in marriage by Colonel Dutcher and was attended by Mrs. Harold W. Dutcher, jr., sister-in-law of the bridegroom. Mr. Harold W. Dutcher, jr., was his brother's best man. Ushers were Capt. Thomas York and Lt. Robert Moise.

The bride is a graduate of Los Angeles High School and attended the University of California. Lieutenant Dutcher, a graduate of Alamo Heights, Tex. High School and of Texas A and M College, was stationed at Evreux AFB, France for three years. He is now assigned to Larson AFB, Wash., where the couple reside.

DeFORD-REID—Mr. and Mrs. D. Neil Reid, 22167 Margareta Ave., Detroit 19, Mich., announce the engagement of their daughter, Melissa Vail, to Lt. Dale Darrel DeFord, USA, son of Lt. Col. and Mrs. Don D. DeFord, Fairchild AFB, Wash.

The young couple were graduated in June from the University of Colorado. Miss Reid was affiliated with Alpha Chi Omega sorority, and Lt. DeFord with Chi Epsilon, scholastic Engineering fraternity.

An October wedding is planned.



Photo by McDowell
Miss Reid

GREENLAW-JOHNSON — Miss Marilyn Sue Johnson, daughter of Lt. Col. and Mrs. Dwight Johnson, Qtrs. 186, Apt. 3, Ft. Eustis, Va., became the bride of John Martin Greenlaw, son of Mr. and Mrs. John Greenlaw, San Francisco, 18 July in the Eighteenth St. Chapel Ft. Eustis. The double ring ceremony was performed by Chaplain James Stanford.

Given in marriage by her father, the bride had Miss Barbara Sherman, Newport News, Va., as maid of honor. Bridesmaids were Miss Jeanne Johnson, the bride's sister; and Miss Garnett Hobbs, District Heights, Md. The bride's niece, Miss Kristie Leigh Bayless, San Jose, Calif., was flower girl.

Mr. Peter Smith was best man. Groomsman were Messrs. John Heath, and Gareth D. Lewis.

After a wedding trip to Mexico, the couple will live in San Francisco, where Mrs. Greenlaw will attend San Francisco State College and her husband will study law at the University of San Francisco.

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DELL-HODGE — Lt. Col. (USA-Ret.) Mrs. Robert Dryden Hodge, Frederick Rd. Ellicott City, Md., announce the marriage of their daughter, Phyllis Ruth, to Mr. Terence Graham Dell, son of Mr. and Mrs. Beryl William Dell, Breckenridge, Minn. The ceremony was performed by the Rev. Arthur J. O'Neil 1 August in St. Augustine's Church, North Troy, N. Y.



Photo by Bradford Bachrach
Mrs. Dell

Given in marriage by her father, the bride was attended by Miss Linda Manroe, as maid of honor.

The bride's brother, Mr. James D. Hodge, Ellicott City, was best man, and ushers were Mr. Frank Watson and Mr. James Boland.

The bride was graduated from the State University of Iowa, where she was a member of Phi Beta Kappa, Alpha Lambda Delta and Sigma Alpha Eta, honorary fraternities, and of Alpha Ai Delta, social sorority.

The bridegroom was graduated from North Dakota State College, where he was a member of the honorary engineering fraternities, Tau Beta Pi and Eta Kappa Nu. He is employed as an electronics engineer by Westinghouse, in Baltimore, where the couple will live after a wedding trip to Lake George, N. Y. and Ft. Lauderdale, Fla.

SCHOFIELD-FARRELL — Lt. Col. (USAF) and Mrs. John W. Farrell, 2338 Kenton Pl., Washington 21, D. C., announce the marriage of their daughter, Patricia Marie, to 1st Lt. Tilden R. Schofield, USAF, a son of Mr. and Mrs. George F. Schofield of Miami Springs, Fla. Father Francis McCullough performed the evening ceremony 6 June at the Base Chapel, Andrews Air Force Base, Md.

Mrs. Alfred Heilbrunn, the bride's sister was her matron of honor, and the Misses Kathy Daly and Marianne McCully, both of Washington, were bridesmaids.

The bridegroom's father was his best man, and his brother, David Schofield and the bride's brother, John W. Farrell, jr., were ushers.

Mrs. Schofield is a graduate of Pres-
—Continued on next page

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Weddings And Engagements

From preceding page—

GARRETT-McMANUS—Colonel and Mrs. George Henry McManus, 3907 Oliver St., Chevy Chase, Md., announce the marriage 1 August of their daughter, Mary Ann, to Mr. Charles Ashton Garrett, son of Mr. and Mrs. Howard Lawrence Garrett of Washington, D. C., at the Shrine of the Most Blessed Sacrament, Washington. The Rev. Camillus Barth, C. P., the bridegroom's uncle, performed the ceremony, assisted by the bride's brother, Christopher D. McManus and Edward Rehkopf.



Photo by Glogau
Mrs. Garrett

Colonel McManus gave his daughter in marriage and the bridegroom's sister, Miss Kathleen Marie Garrett, of Washington, was maid of honor. Mrs. John F. Woodhull, the bride's sister, of Eagle Pass, Tex., was matron of honor. Bridesmaids were the Misses Margaret Craig, Chevy Chase and Julie Rogers, Washington and Mrs. Robert E. Lee, 3d, Tallahassee, Fla.

Mr. Howard L. Garrett, jr., of Arlington, Va., was his brother's best man. Ushers were Dr. James Hartly, Washington; Cadet George H. McManus, USMA, the bride's brother; Mr. John F. Woodhull, Eagle Pass; Mr. Howard Phillips, Washington, and Mr. Andrew Thebo, Washington.

The bride, granddaughter of Mrs. Joseph Louis Hornsby, Chevy Chase, and the late Mr. Hornsby, and the late Brig. Gen. (USMA '93) and Mrs. George H. McManus, attended Chestnut Hill College, Philadelphia and is a graduate of the University of North Carolina. Her sorority is Pi Beta Phi.

Mr. Garrett, a graduate of Georgetown University, served two years in the Marine Corps, and is now employed by Lawyer's Cooperative Publishing Co., Rochester, N. Y.

WEAVER-FERRIS—Mr. and Mrs. Frank Charles Ferris of Wampus Avenue, Armonk, N. Y., announce the marriage



Photo by Schretch's
Mrs. Weaver

of their daughter, Ann Theresa, to 2d Lt. Carl A. Weaver, jr., USMA '59, son of Col. and Mrs. Carl A. Weaver of Ft. Hayes, Ohio. The Rev. Louis J. Furton performed the ceremony in the Base Chapel, Lockbourne AFB, Ohio, 18 July.

The bride was given in marriage by Maj. Gen. Ralph W. Zwicker, USA, and her attendant was the bridegroom's sister, Charlotte Terry of Marietta, Ga. 2d Lt. William H. Zierdt, USMA '59, was best man.

The bride attended Good Counsel College, White Plains, N. Y.

The young couple will make their home at Ft. Knox, Ky., where Lieutenant Weaver will be stationed.

Col. W. R. Johnson At Benning

Col. Warren R. Johnson has assumed duties as Commander of the Fort Benning, Ga., 151st Engineer Group, replacing Col. William M. Linton, who left for U. S. Army Europe Engineer Division at Heidelberg, Germany.

Colonel Johnson, previously assigned as Deputy Division Engineer of the North Atlantic Division, New York City.

Colonel Johnson is married to the former Miss Mildred Cleveland. They have two daughters, Warren Rae and Judy Kay.

ZIERDT-LINDEMANN—Mr. and Mrs. John A. Lindemann, Tamaqua, Pa., announce the marriage of their daughter, E. Marlene, to 2d Lt. William H. Zierdt, 3d, USA, USMA '59, son of Lt. Col. (USA) and Mrs. William H. Zierdt, jr., of Harrisburg, Pa., and Alexandria, Va., 25 July at the First Methodist Church, Tamaqua.



Photo by Ray M. Ackerman
Mrs. Zierdt

Given in marriage by her father, the bride had her sister-in-law, Mrs. Daryl E. Lindemann, as matron of honor. Bridesmaids were Sue Kirkpatrick, Harrisburg, cousin of the bridegroom; Nancy Mack, Bethlehem, Pa.; and Martha Valentine and Jean Scott of Tamaqua. The bride's sister-in-law, Mrs. Sally Lindeman, was soloist.

Lt. Allyn Houltry, Ft. Eustis, Va., was best man, and ushers were Lts. Russell A. Hewitt, USA, Lincoln, Nebr.; Carl A. Weaver, USA, Ft. Hayes, O.; Wayne C. Mercer, USA, Louisville, Ky.; John F. Harkins, USA, Mt. Gretna, Pa.; Spencer Maddux, USAF, Arlington, Va., and Edward Haskin, USAF, Olmsted Fld., Pa. All were USMA classmates of the bridegroom.

The bride will graduate from St. Luke's Hospital School of Nursing in September. Lieutenant Zierdt will be stationed at Ft. Knox, where the young couple will make their home.

Minnesota Guard Advisors Win Degrees

Maj. William F. Hesser, USA, has received a Masters Degree in International Relations from the University of Minnesota while serving as an Artillery Advisor to the Minnesota Army National Guard. Future assignment will be as a student in the 1959 fall term at the Command and General Staff College, Ft. Leavenworth, Kansas.

Major and Mrs. Hesser reside at 1499 E. Viking Drive, St. Paul, with their three children, Karl W. Hesser, 11, Beth Ann Hesser, 6, Kurt W. Hesser, 3.

Lt. Col. George H. Garnhart, USA, has received a Bachelor of Arts degree in History from the University of Minnesota. He is Division Artillery Advisor to the 47th Infantry Division, Minnesota Army National Guard.

He and his wife, Margie M. Garnhart, and their two children reside at 1856 5th Avenue South, Anoka, Minn.

Col. Downing To Amador, Successor Is B/G McGee

Col. Walter A. Downing, jr., Commanding Officer of the Antilles Command, U. S. Army Caribbean, has received orders to Ft. Amador, C. Z., as CofS of USARCIB under Maj. Gen. Charles L. Dasher, Commanding General.

Colonel Downing succeeds Col. John R. Wright, jr.

Colonel Downing will be succeeded as Antilles commander by Brig. Gen. John H. McGee, arriving from Ft. Lewis, Wash.

Prior to his assignment to the Antilles Command, Colonel Downing was a member of the Weapons System Evaluation Group in the Office of the Assistant Secretary of Defense.

Col. Potts Is Corps G-3

Col. William E. Potts, formerly Commander of the 14th Armored Cavalry Regiment, has assumed duties as VII Corps G-3 in Germany. His decorations include the Silver Star, the Bronze Star with three Oak Leaf Clusters, the Croix de Guerre and the Purple Heart.

Col. Devine Is Comptroller

Col. Ralph A. Devine, 93 Morningside Drive, Daly City, Calif., has been named the Sixth Army's Assistant CofS, Comptroller at the Presidio of San Francisco. Formerly Sixth Army Finance Officer, he succeeds Col. Curtis A. Schrader, who has departed for an assignment in the Office of the Comptroller of the Army, Washington, D. C.

SEELEY-D'ELOSUA—The Ft. Myer, Va., Post Chapel was the scene of the 11 July wedding of Miss Roxie Ann D'Elosua, daughter of Lt. Col. (USA-TC) and Mrs. Ramon Francis D'Elosua of Ft. Monroe, and Mr. George Burton Seeley, jr., son of Mr. and Mrs. G. B. Seeley, of Arlington, Va. Chaplain Harold B. Lawson officiated.



Mrs. Seeley

Colonel D'Elosua gave his daughter in marriage and her sister, Miss Anita D'Elosua, was maid of honor. Her seven-year old brother, Ralph, was ring bearer.

Mr. Joe McNeill of Arlington was best man and ushers were Mr. Earl Moyer and Mr. Robert L. Seeley.

The bride is a graduate of Washington-Lee High School, Arlington, and a 1957 graduate of the Washington School for Secretaries, Washington, D. C. Employed by the Dept. of Defense since graduation, she is now assigned to the Navy's Office of the General Counsel. Her father is assigned to Hq. USA Continental Command, Ft. Monroe.

Mr. Seeley is a 1959 graduate of the University of West Virginia, with a B.S. in electrical engineering, and is a member of the Phi Kappa Sigma fraternity. He is employed by Melpar in Arlington.

Mr. and Mrs. Seeley will make their home in Fillmore Gardens, Arlington.

BENDER-HOLT—St. Michael's Chapel, Ft. Bliss, Tex., was the setting for the wedding 20 June of Miss Alexandra Anne Holt, daughter of Col. and Mrs. Roger Hunt Holt, 4709 Post Way, El Paso, Tex., to 1st Lt. Richard Churchill Bender, USA, son of Brig. Gen. (USA-Ret.) and Mrs. Arthur Hodgkins Bender, 1608 Bolton Pl., El Paso. Chaplain Stephen Kane officiated.



Mrs. Bender
Photo by Canale

Escorted to the altar by her father, the bride had Miss Kathleen Fitzgerald as maid of honor and Mrs. William Schneider as matron of honor. Bridesmaids were the Misses Anna Jean Wipf; Janice Frei; and Carolyn Walker; and Mrs. George M. Wallace, sister of the bridegroom, from Hawaii. The bride's sister, Miss Susan Holt, was junior bridesmaid, and her niece, Jane Wallace, was flower girl.

Lt. Frederick H. Smith, 3d, was best man. Ushers were Lts. Bruce Stout, Myron Hollister, Frank Hughes, Robert Burge and Carl Kincheloe.

After a wedding trip to Mexico City and Acapulco, the couple will live in Lawton, Okla. Lieutenant Bender is assigned to the 2d Howitzer Bn. 17th Artillery Regt., Ft. Sill.

Detrick Officer Joins SGO

Lt. Col. Colin F. Vorder Bruegge, MC, has been appointed Chief of the Research Division in the Army Medical Research and Development Command.

Well known for his work in planning of the new building for the Armed Forces Institute of Pathology at Walter Reed Army Medical Center, Washington, D. C., he has served as Deputy Commanding Officer, Army Medical Unit, Ft. Detrick, Md., since January 1956.

Colonel Vorder Bruegge, his wife, Anne, and their children, Bill 4½, Mary 3½, and Bob 1½, live at 2206 Shipman Lane, McLean, Va.

Col. Taylor Commands Army QM School

Col. Robert B. Taylor takes command 3 August of the Army Quartermaster School at Ft. Lee, Va., succeeding Col. C. E. Reid, assigned to the Industrial College of the Armed Forces, Ft. McNair, Washington, D. C.

Colonel Taylor has been in the Office of the Deputy CofS for Logistics as Director of Personnel.

L/C Howell At Dayton

Lt. Col. W. D. Howell has been assigned to Dayton AF Depot, Ohio, as Chief of Plans and Programming. He replaces Lt. Col. Wharton C. Cochran.

Colonel Howell comes from Headquarters, Pacific Air Force, Hickam Field, Hawaii, where he was Director of Logistics, Program Division.

Colonel and Mrs. Howell live with their four children: Caron, 11; W. D. jr., 10, and twins Dean and Don, 6, at 3606 Tralee Trail, Dayton.

TACHIKAWA DEPUTY

Col. Lloyd W. Brauer is the new Deputy Commander for the 2710th ABW at Tachikawa AB, Japan.

He came there from the Air War College at Maxwell AFB, Ala., where he was on the staff as Director of International Relations Studies.

Col. Brauer will reside at Tachikawa with his wife Eleanor, and sons James, 16, and Richard, 15.

NAVY CHARTERS SUPER TANKER FOR AF HAUL

The Navy's Military Sea Transportation Service has chartered the largest tanker under United States registry for a lift of 390,000 barrels of aviation gasoline from the United States to Air Force bases in the Far East.

The 46,000-ton supertanker "Transeastern," which was christened 28 July at the Bethlehem Steelyard in Quincy, Mass., is making her maiden voyage under MSTs colors, sailing from Pasadena, Tex., this week with approximately 300,000 barrels of gasoline.

Restricted to a draft of 33 feet for the transit of the Panama Canal, the "Transeastern" will proceed to Long Beach where she will top off. Ports of discharge include Pearl Harbor, Guam, Manila and Yokohama.

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From page 9—

Davis, John K. jr, FAIRJAX; to CO FAU COMFAIRJAX.
 Emmons, James W, CO USS PUTNAM; to OPNAV.
 Fern, Benjamin R, DESLANT TEM; to CO USS HUGH PURVIS.
 Gordinier, Harold R, GMSERVON TWO; to ASST BAR AKRON.
 Hershey, Kirk, FITRON 174; to CO UTRON TWO.
 Hitchcock, Edwin N. jr, USS LEXINGTON; to CO CARAEWRON 13.
 Ingram, William B (MC), BUMED; to USS SARATOGA.
 Lee, Kent L, ATKRON 46; to CARAIRGRU FOUR.
 Lindstrom, Kenith V, USS ROCHESTER; to CO USS MADDOX.
 McCrancy, Virgil H, NAS CORPC; to NAV ANTRACOM NAS CORPC.
 Morreale, Joseph H, NAVPROPELLANT PLANT INDIAN HEAD; to 5ND.
 O'Connor Remi C, OSD WASHDC; to ASST BUAER TECHREP TOKYO.
 Overall, Sidney R, jr, GEORGE WASHINGTON UNIV WASHDC DUINS; to OPNAV.
 Smith, Warrington G, NAVTRAPUBCEN NAVSTA WASHDC; to OIC NAVTRAPUBCEN NAVSTA WASHDC.
 Alpert, Myron, PHIBGRU THREE; to NAV ADCOM SDIEGO.
 Butler, Francis A, STAFF SACLAN; to CO USS PUTNAM.
 Cruser, Handford T, 3d, CO USS CLARENCE K RONSON; to DESFLOT SIX.
 DeJannatt, Dallas K, 14ND; to USNAVPG SCOL MONTEREY.
 Everly, George E, JSTAFF CINCLANT; to NAVACTY LONDON.
 Fleming, William W, OPNAV; to DEF ATOMIC SUPPLYAGENCY WASHDC.
 Ford, Albert T, USS TOLEDO; to CO USS COLLETT.
 Fricks, Ben, jr, OIC NAVRADSTA (R) CLAM LAGOON ADAK; to CO NAVCOMM STA ADAK.
 Gorman, John P, CO USS HARLAN R DICKSON; to DESLANT TEM.
 Holt, Harry S, 4ND TEM; to BUAER.
 Mote, John L, ONR WASHDC; to JSTAFF CINCPAC.
 Pope, Nicholas J, jr, OFC OF INFO NAV DEPT; to 5ND.
 Pulliam, James C, OFC OF LEGAFFAIRS NAVDEPT; to 13ND.
 Simpson, Edward W, USS SEMINOLE; to NAVPHIBASE CORONADO.
 Stahl, Robert B, OPNAV; to CO USS HAYNSWORTH.
 Armstrong, John G, HELTRAGRU ELLYSONFLD NAS PNCLA; to OPNAV.
 Helsel, Kenneth D, NAAS KINGSVILLE; to CO AIRANTISUBRON 39.
 Napier, Charles H, NARESTRACOM OMAHA; to NAS METFLD.
 Wagner, Robert, NAVSTA ARGENTIA; to BUAER.

LIEUTENANT COMMANDER

Bates, Richard S, NAAS BROWN FLD CHULA VISTA; to NAVSTA MIDWAYS.
 Boyle, Edward G, jr, ASST ALUSNA AND ASST ALUSNA FOR AIR LONDON; to OPNAV.
 Brooks, Wilbur R, CO NAVMARCORESTC JOLIE ROCKDALE; to OIC NAVVEDO TECHEN NAVPROPELLANT PLANT INDIAN HEAD.
 Davidson, Hubbell Y, ANTISUBDEFILANT; to PATRON 10.
 Driscoll, John R, ATKRON 85; to USS SHANGRI LA.
 Duckett, John P, OIC USS SEQUOIA; to USS HOLDER.
 Ellefson, Laurence M, PATRON 42; to NOTS CHINA LAKE.
 Franz, Edward D, CO USS RONQUIL; to BUSHIPS.
 Mallinger, William D, FLEWEAFAC NAS ALAMEDA; to PATRON 22.
 McCall, Charles R, OIC NAVRESTRACOM NORMAN; to CO NAVRESTC ELMIRA.
 McNeil, Robert K, NAS PNCLA; to USS ANTIETAM.
 Miete, Walter G, USS TARAWA; to CARAEWRON 21.
 Allen, John C (CEC), NAVMCB NR ONE; to DPWO 14ND.
 Comeau, Reginald B (SC), USNAVPGSCOL MONTEREY DUINS; to CO USS PAUL REVERE.
 Ekens, Alfred W (CHC), 1ST MARDIV (REINF) FMF; to NAVSTA TI SFRAN.
 Gillespie, Donald R, NSA FORT GEORGE G MEADE; to NSAPAC CP FUCHINOBE HONSHU.
 Hunter, Jackson D (CHC), 3DMARDIV (REINF) FMF; to MSTSPACAREA.
 Kainitzky, Myron R, AEWRON TWO; to ECMRON TWO.
 Moore, Albert L, CO USS CROMWELL; to SURANTISUBDEVELTANT.
 Moore, Oswald M, OPNAV; to USS WALLE.
 Murray, Eugene I (SC), NAVSUPPACTY NAPLES; to OFC OF INSMAT BRIDGEPORT.
 Peore, Joe L, CO USS VIGOR; to BUPERS.
 Rumble, James D (CEC), NAD HINGHAM; to AREAPWOC CHESAPEAKE NAV SPNPLANT WASHDC.
 Tennyson, Evelyn A (NC), NAVHOSP ST ALBANS LI; to NAS BARPT OAHU.
 Wilkins, James C, jr, USS INTREPID; to TACRON 22.

Nuclear Test Ban Retards Weapons Development

From first page—

A one year moratorium was placed by President Eisenhower on the testing of nuclear weapons beginning 31 August 1958.

Actual development, testing and production of nuclear devices is carried out by the Atomic Energy Commission, whose General Manager is former AFSWP Chief Maj. Gen. Alvin R. Lueddecke, USAF-Ret. General Lueddecke was the first Air Force officer to head the tri-service AFSWP organization.

Admiral Parker, who took command of AFSWP in 1957, is the first Naval officer to hold the top Defense atomic post.

Army Chiefs, beginning with the WWII Manhattan Project, were: Lt. Gen. Leslie R. Groves, 1942-1948; Maj. Gen. Kenneth D. Nichols, 1948-51; Maj. Gen. Herbert B. Loper, now Chairman of the Military Liaison Committee to the AEC, 1951-53. General Lueddecke, served from 1953 to 1957, when he was relieved by Admiral Parker.

The primary function of DASA today is atomic logistics. In this it works with the Atomic Energy Commission to provide materials in support of all Services and the unified commanders overseas.

In this role, DASA acts as the central coordinating agency with the Atomic Energy Commission on matters pertaining to the production and stockpiling of atomic weapons. It is responsible for operating a central reporting system to provide information on the status of the National Stockpile.

DASA itself operates the National Storage Sites for atomic weapons and provides technical information

and advice to the Services in connection with their operation of assigned storage sites, maintenance, transportation and other basic logistics functions to support field commanders.

The Agency provides centralized coordination among the Services and with the AEC in planning, modification, modernization and quality assurance programs to maintain the high quality and reliability of atomic weapons.

Before any weapon can become operational, DASA assists the Services in developing and establishing safety controls for its use.

As the Key military agency in its field, DASA arranges with the Services and AEC for the orderly dispersal and distribution of atomic weapons and associated repair parts.

It is the sole Defense Department agency responsible for consolidating military nuclear requirements and obtaining release to the Armed Forces of AEC produced training weapons, operational suitability test weapons, test and handling equipment, and other AEC produced atomic materials.

Second major function of DASA centers around weapons' testing, where the agency is concerned primarily with the development and effects of the new devices. It prepares the plans for the military phases of atomic tests and budgets for those items which are not normally included in Service appropriations.

Within the U. S., DASA carries out the military phases of atomic tests. For atomic tests outside the country, DASA recommends the

composition and command of the task forces which will oversee operations.

As a continuing project, DASA uses the nuclear tests to advise on the design and effects of nuclear weapons.

Third major responsibility of the agency is the training of military personnel for atomic assignments.

Training policies, procedures and coordination of Service requirements are the responsibility of the Washington office. The actual training of Army, Navy and Marine Corps personnel is conducted at DASA's Field Command, Sandia Base, N. M., directed by Maj. Gen. Louis T. Heath, USA.

DASA atomic training is given primarily to Army and Marine Corps personnel. The Air Force maintains its own atomic training organization and most Navy nuclear personnel are trained by the Navy itself.

Fourth function of the Agency is to maintain continuing liaison between the military Services and AEC. In this respect it functions at a lower level than the Military Liaison Committee to the AEC, which formulates all-over policy.

Two other major functions of the Agency are to review atomic information for security purposes and to provide a general source of information for everyone in the nuclear field.

Newest role assigned to DASA is an international one—that of administering the Joint Atomic Information Exchange Group. This Group will play an important role in providing atomic information to NATO and other U. S. allies.

Here Are Leaders Of Atomic Agency

Command of the Defense Atomic Support Agency is rotated among the Services. The present Chief is RADM. Edward N. Parker, USN.

The two Deputy Chiefs are Brig. Gen. J. W. White, USAF, and Brig. Gen. R. H. Harrison, USA, who also heads the Joint Atomic Information Exchange Group.

Other major officers within DASA Headquarters are: Dr. F. H. Shelton, Technical Director; Col. C. F. Tiemann, USAF, CofS; Lt. Col. E. W. Bowen, USA, Assistant CofS; Col. G. A. Key, USAF, Inspector General; Capt. J. A. O'Donoghue, USN, Surgeon; Mrs. M. F. Shelley, Historian; Lt. Col. P. S. Brengle, Secretary of the Board on Future Storage; Col. A. W. Schinz, USAF, DCS Operations; Capt. D. Lambert, USN, DCS Weapons Effects and Tests; Col. I. J. Harrell, jr., USAF, DCS Research and Development; Maj. C. B. Vickery, USA, Public Information Officer, and Lt. Col. H. O. Beeth, USA, Adjutant General.

Division Chiefs are: Col. W. J. Penly, USA, Plans; Capt. J. H. Pennoyer, USN, Operations; Capt. W. E. Wallace, USN, Analysis; Lt. Col. R. W. Swanson, USAF, Radiation; Cdr. R. F. Craig, USN, Weapons; Cdr. P. H. McGann, USN, Development; Col. J. E. Harper, jr., USA, Logistics; Col. Charles B. Layton, USA, Security; Cdr. R. G. Redmond, USN, Training; Lt. Col. M. M. Jones, jr., USA, Blast and Shock; Cdr. W. H. Chapman, USN, Medical; Col. J. C. Ledford, USAF, Weapons Test; Lt. Col. H. Poggemeyer, USMC, Research; Cdr. R. R. Campbell, USN, Budget and Fiscal; and Col. I. C. Rumsey, USA, Officer-in-Charge of the Mid-West Engineer and Construction Office, Kansas City, Mo.

Key personnel within the Field Command at Sandia Base, N. M., are: Maj. Gen. Louis T. Heath, USA, Commander;

Worden, Frank N (SC), USNAVPGSCOL MONTEREY DUINS; to NSD SUBIC BAY LUZON.
 Henningsen, William J, jr, NAVAIRPAC; to BUAER.
 Job, Florence K (NC), NAVHOSP YOKOSUKA; to NAVHOSPCORSOL NAVHOSP SDIEGO.

Here's A Cut-Away Model Of Polaris Submarine



THIS is a photograph of a seven foot cut-away model of the Navy's first Fleet Ballistic Missile Submarine, George Washington (SSBN-598), which is scheduled to become operational in December. Shown from the tail section forward are the engine room (two compartments), reactor compartment, Polaris launching tubes, ship and missile control centers, officer quarters, mess hall, ballast tanks and torpedo room. The enlisted quarters are not shown in the model.

Top Nuclear Agency Needs New Home

ATOMIC support for U. S. Armed Forces has taken on expanded prestige, but is handicapped by cramped quarters at the Pentagon. (See Page 1)

Newly renamed as the Defense Atomic Support Agency and placed directly under the Joint Chiefs of Staff, the Nation's top military atomic organization traces its lineage directly to the WWII "Manhattan Engineer District," which developed the first nuclear bombs.

The Agency first came into being as the Armed Forces Special Weapons Project when the Manhattan Engineer District was dissolved in 1946.

From that time until reorganization this spring, it derived its authority from the Secretary of Defense and JCS, but was responsible to each Service Chief individually.

Now, slightly expanded to take on new functions, the Agency finds that it has reached the limit of its expansion at the Pentagon.

RADM. Edward N. Parker, USN, DASA Chief, points out that he could not add any more activities to his group without being given additional Pentagon office space. He says there is no more available office space in the Pentagon.

Admiral Parker reports that he had searched other locations in the Washington area to find a new home for DASA.

So far, no suitable location has been available.

Koeninger, Frank, jr, AEWRON 13; to NAV ANTRACOM NAS CORPC TEM.
 Kushman, Howard B, NAVRADSTA (R) CLAM LAGOON ADAK; to OIC SAME STA.
 Peeler, Edward W, FASRON 113; to NAV ANTRACOM NAS CORPC TEM.
 Sullivan, William P, FITRON 114; to NEL SDIEGO DUINS.
 Summers, Olive G (NC), FLEACT SASEBO; to NAVHOSP SDIEGO.
 Taylor, Cecil O, STANFORD UNIV DUINS; to NAVANTRACOM NAS CORPC TEM.
 Taylor, John C, jr, NAVRECSTA NAVB

PHILA; to NYKGRU.
 Thawley, Charles B, jr, NAVCISCOL NAS GLYNCO; to OFC OF BAR GLENN L MARTIN CO BALTO.
 Tilghman, William F, HATRON 11; to HAT RON NINE.
 Bain, Louis E (SC), NSD SEATTLE; to CARDIV ONE.
 Bulfer, Joseph E (SC), WSETPACDET NAV BEACHGRU ONE; to NAVADCOM NTC SDIEGO.
 Craig, Harold C, jr, CO NAVRESTC HAN-NIBAL; to CO NAVMARCORESTC DULUTH.

—Continued on next page

President Names USAF Regulars For Promotion

From page 10—

Dickerson, David F
Dietz, Arthur H
Doutt, Thomas L
Dowd, Theodore
Duffy, Robert T
Edsall, Philip V
Edwards, Verlan E
Ely, Frank E
Erickstad, Selmer R
Eversole, Donald L
Faris, Walter S
Farris, Robert H
Flemings, F J, jr
Folsy, Donald B
Fowler, Leo E
Gallop, Richard W
Garber, James F, 3d
Gargus, John
Gelenter, Julian H
Griggs, James L, jr
Haderlie, Kermit L
Hall, Harold R
Hall, Ronald K
Hamilton, Richard A
Hanley, Donald L
Harrod, Franklin D
Hatch, Thomas E
Hayes, Joseph M
Heap, Larry A
Herring, Alfred D
Herzog, Robert T

Hilliard, Gerald L
Hoffmeyer, William D
Horton, Glen R
Houchlin, Lloyd K
Hughes, Jesse W, jr
Illies, Keith F
Jenicek, Kenneth A
Johannes, Robert P
Johnson, Elling Z
Johnson, James H
Johnson, Gerald F
Johnson, Richard W
Johnson, Richelieu N
Jones, Douglas N
Jones, Ricker H
Jones, Robert G
Jumper, Howard D
Kellum, Donald A
Kennedy, Eugene C
Kennedy, John M
Kern, David C
Killen, Carrol W
Kinder, Morris B
Kinneer, Billy L
Kopf, John R
Lambert, Carl F, jr
Lauritsen, Terry N
Lee, Alfred
Leech, Frank J
Lindeman, Robert W
Long, Neal A

Loucks, Charles
MacPherson, John C
Marshall, John A, jr
Matthews, D W, jr
McChesney, John R
McDonald, Jack E
McGlone, Ronald G
McGrath, Daniel H
McIntire, John T
Meitz, Robert O
Miller, Frederick J, jr
Molter, Donald W
Moore, George H
Mulherin, A T, jr
Nance, James A
Oglukian, R L
Oldam, Paul B
Oydna, Tunney J
Parker, Charles M
Pascoe, Richard M
Peterson, Eddie M
Phares, Lindsay F
Purnhagen, Tom G
Raymond, Robert M
Revill, Lawrence A
Riley, Richard A
Rosenberg, Lewis H
Ryan, Charles J
Salvador, Renalds D
Schuler, Wendell L
Scott, Donald L
Scott, Hugh E

Scott, Walter G, jr
Searle, Robert A
Sellars, David K, 2d
Shaw, Roger W
Shelton, James H, jr
Shockley, Jerry M
Snow, Jackie K
Socolofsky, Lowell E
Sparbauer, Robert N
Statler, Harry R
Steeves, Thomas W
Stewart, Clarence A
Stockton, James A
Stroh, Jerry D
Swortzel, Frank R
Tedrick, Thomas D
Thomas, Charles R
Thompson, Donald D
Thompson, Gerald F
Thorley, Milton
Tonini, Gervasio
Uus, Henno
Van Meter, Thomas R
Verbie, David E L
Verrilli, David M
Vipond, John R
Voehl, Richard K
Waddell, Franklin D
Wadsworth, Donald L
Walken, Frederick U
Walker, Bobby E
Wheeler, Richard W

Wiley, Raymond W
Willingham, J F, jr
Wing, Richard L
Wink, Frank R

Witte, Robert E
Woodhull, R G, jr
Wyatt, James G
Zeller, Eldon W

MEDICAL SERVICE CORPS
Casimiro, Paul S
Cobb, James B
Hill, Sherwood S

Kelley, Ronald L
Kelsey, Donn R
Strathern, A D, jr

NURSE CORPS
Hause, Helen E

L/C Beary Plant Rep At Republic

Lt. Col. Kermit E. Beary has been assigned to Republic Aviation Corporation at Farmingdale, Long Island, N. Y., as Air Force Plant Representative.

He succeeds Lt. Col. Carrell T. Murrell, USA-Ret.

Colonel Beary was previously Chief of the Airborne Early Warning and Controls Weapons System Project Office for the Air Materiel Command at Wright-Patterson AFB, Ohio.

Colonel Beary, who has over 3,000 flight hours, holds the DFC, Air Medal and nine other decorations.

Air Corps Veteran Is Douglas Rep At Redstone

Appointment of Charles C. Goodrich as the Douglas Aircraft Company representative at the Army's Redstone Arsenal, Alabama, has been announced by President Donald W. Douglas, jr.

Operating from a new Douglas office to be established in Huntsville, he will be responsible for maintaining liaison with the Army Ordnance Missile Command and the Army Guided Missile Agency, and will report directly to Lt. Gen. Ira C. Eaker, USAF-Ret., Vice President-Eastern Offices.

Mr. Goodrich served as a radio operator in the Army Air Corps during WWII and obtained his B.S. in engineering physics at the University of Colorado in 1948.

New G-E Defense Unit Chief

A. M. Swasey has been appointed project leader for the newly created aviation and defense business unit at the General Electric Company's Outdoor Lighting Department, Hendersonville, N. C. He will coordinate engineering, manufacturing, and marketing of products for aviation and defense industries.

USAF Orders

From page 23—

29 Jun: Leech, Frank J.
6 Jul: Boardman, Robert O; Chambers, John L; Hovey, Stanford T; Irwin, Charles A; Pennington, Albert N; Rice, Harry E, jr; Riggs, Warren Y; Trupp, Eric F.
7 Jul: Bachar, Paul, jr; Blott, Raymond L; Hazard, Richard F; Kelley, Robert E.
8 Jul: Bowman, Robert M; Bowman, Robert U; Hufford, Alvin H; Mathews, Bruce A; Strack, Ronald G; Treherne, Richard L.
9 Jul: Austin, Roy F; Brown, Richard C; Burger, Donald W; Callahan, Hiram J; Hicks, Donald V; Murfitt, Robert R; Robertson, Daniel P.
11 Jul: Geren, Billy G; Newton, Albert S; Simpson, Howard B.
12 Jul: Gentry, Richard E.
14 Jul: England, Boyd A; Hall, Charles E; Latham, Robert F; Spidel, Gerald C, jr; Underhill, James C.
23 Jul: Hensley, Billie L; Smith, Billy R.
25 Jul: Godec, Robert F.
26 Jul: Jordahl, Donald C.
27 Jul: Bird, Lewis L, jr.
28 Jul: Blackwell, Pat L; Doderer, Earl S; Fisher, Duane W; Hickman, Eugene T; Hinant, James M, jr; Kurtak, John S; Mirehouse, James H; Pfeiffer, Norman D; Spellman, Martin J, jr.
29 Jul: Berger, Maynard F; Cox, Albert J; Hamer, James E; Kulla, Vernon M; Patterson, Robert B; Tuxill, Robert D.

To CWO, W3

DR 1959

15 Jul: Houghtby, Edgar.
21 Jul: Grant, Bennie W N.
22 Jul: Kelley, Charles H.
23 Jul: Newell, Don J.
24 Jul: June, Jimmy M.
25 Jul: Tenold, Archie B.
26 Jul: Galley, John F.
27 Jul: Parker, John W.
28 Jul: Wheeler, William H.

TEMPORARY PROMOTIONS—

To Colonel

Eastman, John R, DC; Sides, Joseph C, CH.

To Major

Ball, Harry C; Brewer, Orse, jr; Bullock, William G; Francis, Edward B; Lee, Frank; Moore, James E; Riley, Thomas W; Roeller, Nelson A; Smith, Albert E; Stocks, Harold J; Wayne, Allen T; Yeaton, Carl G.

To Captain

Jodoin, Edgar.

REGAF APPOINTMENTS—

To Captain

Friesz, Richard L.

REGAF PROMOTIONS CONFIRMED—

To Lt Colonel

Ashton, Alfred J, jr; Borellis, William F; Eades, William B, jr; Evans, John A; Farrell, Frank J; Hayden, James H; Kenney, William R; Machemer, Carl C; Pearson, Harvey A; Price, Margaret M, NC; Richard, Anthony H, jr; Smith, William K; Vague, Harold R.

To Major

Fitzpatrick, Hal L; Foreman, Finis E; Hess, William A; Lilman, Clinton E; Jarrell, William R, jr; McGlynn, William E; Thompson, Alfred G.

MC: Frey, William A; Inness-Brown, Hugh A; Sallee, William T.

DC: Lindberg, Robert L; Segreto, Vincent A.

NC: Duplease, Margaret L; Mills, Margaret J; Velasquez, Hilda E; Wilson, Betty J.

To Captain

Altimus, William R; Anderson, John H; Bailey, Hugh D, jr; Deschon, Theodore J; Dow, Maynard W; Dunn, William W; Giltner, William C; Hilgert, Harry J; Krone, Robert M; Martin, Arthur T; McIntire, Scott W; Morgan, Robert W; Morrison, Nina K; Pardun, Orin V; Peckman, Dale B; Saxer, Richard K; Schadel, Calvin B; Schmidt, Herman C; Sharp, James M, jr; Sjaastad, Gerald D; Smith, William G; Sorrentino, Michael L; Taylor, Jack H, jr.
MC: Weaver, Orville E.

DC: Sirols, Raymond J; Smith, William R.

To 1st Lieutenant

Benzi, Leonard F; Black, William H; Hand, Harry E; Head, Richard H; Kerr, Henry F, jr; Schoep, John C; Weisner, Thomas L; Weseman, Henry E.

REGAF APPOINTMENTS REVOKED—

Major

Hadwick, Ray E; Sullivan, Clarence E, jr.

Captain

Alken, Warren R; Boyd, William B; Campbell, Calvin H; Jensen, Merrill E; Lent, Edward W; Mooney, Robert M; Renlund, John W; Rhoads, John M; Roelle, Donald O; Sewill, Burvet D; Spencer, Parker R; Watt, Donald H.

1st Lieutenant

Bailey, Charles S; Beagle, Francis G; Butler, William H; Hayes, Patricia A; Lawrence, David L; Morgan, John E; Neufeld, Harold L.

ANGUS PROMOTIONS—

To Lt Colonel

Chase, Harold W; Hickernell, Bruce D; Jenks, Lawrence C; King, John M, jr; Koenig, Charles W; Martinson, Harold E; Means, Billy C; Miller, Lincoln S; Norwick, Robert J; Powell, Lawrence J, jr; Rosenberg, Paul; Ware, William C; Woodworth, Roy D, jr.

To Major

Akin, Robert W; Allan, Ivan V, jr; Aranyos, John A; Beers, Doyle C; Bentz, Nell B; Boyce, Charles B; Cappozzo, Francesco T; Cater, Roland E; Coale, Julian R, jr; Cole, Samuel H; Connelly, Frank M; Decarlo, Loretto C; Edgard, William R; Elwardt, Harry E; Farley, John W; Garrison, Max L; Gonzales, Lawrence H; Gorbett, Leroy; Graves, Norman E; Hanson, Clifford E; Kibler, J B, jr; Layne, William J; Lockwood, Vernon A, jr; Lord, Hunting J, jr; Martin, Jack T; Martin, Leonard F; Mattison, Keith W; Morse, Loyd F.

Murphy, Francis J; Nebben, Wayne C; Nelson, Dennis Z; Pahika, David J; Palmer, John, jr; Patsios, George J; Perkins, Cleveland J, jr; Roberts, Robert E; Sachleben, Clifford E; Schertz, Arthur J; Straw, Paul D; Thomasian, Berge; Ulstad, Duane E; Vale, Lyle K; White, Edson L; Winn, Kenneth E; Worcester, James C.

To Captain

Atkinson, Ernest J; Barber, J C; Bennion, Paul C; Beyard, Lauren M; Brack, Robert W, jr; Brand, Jay J; Brown, Grafton T; Bustle, James A; Caswell, Donald T; Chambers, Wess P; Cristman, Verle D; Cook, James H; Eckes, Harry R; Estey, Donald; Fraunfelder, Daniel H; Gemeny, John G; Gordon, Richard J; Hernandez, Hellos J; Johnson, Frank A; Keller, Karl V; Lau, Henry H C; Lazarre, Mark M; Levine, Arthur; Martin, Robert E; McDonald, James W; McKnight, Harry T; Mesner, Jack H; Mooror, Leella C; Moore, Thomas L; Nomura, Kenichi; O'Leary, Paul S, jr.

Putman, David W; Rathgeber, Jacob E; Ross, Rutherford, J, jr; Roth, Stanton, F; Rutherford, William H; Scarlata, Joseph P; Simmons, William S; Stiteler, John B; Waltman, Leslie H; Welch, Billy W; Williams, Raynard L; Ziegler, Richard M.

To 1st Lieutenant

Barikmo, Howard O; Bennett, Richard A; Caldwell, James A, jr; Emerson, Richard A G; Flanigen, Joseph R, jr; Gregg, Harold O; Kruse, William D.

Martinson, Ronald H; Mayer, Roger W; Powers, Charles H; Rich, Burt L; Skroch, Edward A, jr.

To CWO, W3

Barnett, Joseph L; Monte, John R; Schary, John D.

To CWO, W2

Barnard, Ernest L; Caudill, William G; Childress, Carl C; Decker, Franklyn A, jr; Elliott, Lynn S; Frey, Gordon W; Garner, William C; Goehring, Julie V; Harris, William M; Henke, Arthur J.
Kelley, Fred E; McCullough, Harry W; Marsh, Milo W; Mattos, Harold T; Rothamel, John E; Skinner, LeRoy; Yingst, Daniel W; Zarr, Eugene W, jr.

REAPPOINTMENTS TO MAJOR—

Booth, Elmer E; Jones, Frank G; Sanborn, Bert S; Shellito, Robert T; Smith, Marshall L; Trotter, Claude A, jr.

HONORABLY DISCHARGED—

Francis, 1st Lt Renee.
Hendricks, Lt Col Clyde V.

CORRECTION—

Beck, Edwin H, date of rank as capt IA fr 21 Feb 58 to 24 Feb 57, prom list serv date 24 Feb 50.

Demsey, Ferdinand A, perm prom ord to CWO, W-3, IATR "Ferdinand A Demsey."
Vaer, John W, perm prom ord to LtCol, IATR: "Baer, John W."

AIRMEN ADVANCED ON RET LIST—

Mihovch, MSgt Andrew, adv to WO, W1.

AIRMEN RETIRED—

M/SGT: Alberti, Frank K; Blackley, Willis H; Bumgarner, Thomas A; Carlton, Ira P, as WO, W1; Davis, Richard C, as WO, W1; Domanski, Walter F; Edmondson, Harold E; Evans, William E; Fanning, Edward G, as Lt col; Gowan, William H; Henderson, James H; Hinson, Robert L.

Iverson, Victor L; Kneuper, Alouls P P, as CWO, W3; Laundry, Harold L; Locklin, Harvey E; Malone, Royce E; McKenzie, Joseph A; Miller, Clemens F, as capt; Miller, Marlon A, as Lt col; Nieponski, Jouis J; Saar, Edwin W, as maj; Shuey, Harold B, as WO, W2; Smith, William L; Springer, Loyd W; Summers, Marlon E, as WO, W1.

Wallis, Luther G; Weger, Albert; Wild, Earl L, as CWO, W2; Wilson, Sam M; Yarbrough, Fred.

T/SGT: Brightwell, Ulmon L; Gagnon, John W; Jones, Charles L; Kare, Kenneth; Klundt, Edward; McBride, Benjamin; McGaha, Eugene R; Parker, Thad D; Pellowski, Cyril F; Southall, Early.

S/SGT: Burch, Wilbur V, jr, as t/sgt; Easom, William J, jr; Holmes, Charles R; Howard, William L; Hunt, John H; Lebo, Jerome H; Minton, Winstler A, sr; Oviatt, Darrell L, as t/sgt; Pope, Archie C; Testa, Carmelo F; Turcotte, Lionel; Weston, Thomas.

AI/C: Finch, Joseph H; Johnson, Roy O, as s/sgt; Lee, Jessie D; Scott, William H; Turnbull, Jack L.

A2/C: Evans, Wayne H; Gutknecht, Verlan R; Kobza, Carl R; Massey, William T; Riddle, Joseph S; Tidwell, Ponce D.

A3/C: Gould, Romae J; Grippo, Donato J; McDonough, John M; Nicklesen, David L.

A/B: Chamberlin, Lester D.

Navy Orders

From preceding page—

Crocker, John A, NATECHTU NAS LAKE HURST; to AIRTRANSRON THREE.
Hall, Robert W, USS STORMES; to CO USS AVERAGE.
Hannah, Glyde B, NATESTEN FAXRIV; to UNIV OF ILL DUINS.

Howe, Charles M (CEC), ASST OIC BU DOCKSCONTR USNA ANNA; to NAVMCE NR ONE.

Jolley, Sara C (NC), MARCORSUPCEN BARSTOW; to MCAF IWAKUNI.
Keller, Richard C (SC), NAVSUPACTY KWAJALEIN; to OIC NAVCOMSYSTO CHINA LAKE.

Lane, John S, NAS PNCLA; to OFC OF JAG NAVDEPT.

Monaghan, Mary E (NC), MSTSLANTAREA; to NAVHOSP CAMLEJ.

Morgan, Theodore P, NAVGRU JUSMMAT TURKEY; to PATRON 11.

Neely, Margaret F (NC), NAVHOSP YOKOSUKA; to NAVHOSP ST ALBANS LI.

Peniston, Robert C, USS NICHOLAS; to CO USS SAVAGE.

Radeke, Waldemar H, jr (SC), MCAS EL TORO SANTA ANA; to NAVFORJAPAN.

Rinetti, Edward J (SC), USNAVPGSCOL MONTEREY DUINS; to USS KLONDIKE.

St John, Elizabeth (NC), NAVHOSP ST ALBANS LI; to MSTSLANTAREA.

Thompson, Charles R (MSC), NAVHOSP PHILA; to NAVHOSP BEAUFORT.

Thurber, Mabel G (NC), NAS PORT LYAUTEY KENTRIA; to NAVHOSP GLAKES.

Tilley, George K, 13ND; to OIC ARMED FORPOLICE DET TACOMA.

Webb, Arthur J, NOP POCATELLO; to NPG DAHLGREN.

Zavoy, Andrew J, ASST ALUSNA AND ASST ALUSNA FOR AIR STOCKHOLM; to USS ROWAN.

Juniors to Sea Command

Lieutenant

Bradley, Claiborne S, USS MYLES C FOX; to CO USS CHAMBERS.
RADM. C. Shands, USN, and Col. H. D. Aynesworth, Deputy Commanders; Col. B. West, USA, Staff Judge Advocate; Col. D. S. Richardson, USAF, Inspector General; Col. T. E. Holland, USAF, Chief of Staff; Col. W. F. Humphreys, Assistant Chief of Staff; Lt. Col. R. F. Coyle, jr, USA, Adjutant General; Lt. Col. B. C. Joseph, USAF, Public Information Officer; Mr. H. W. Drager, Safety Engineer; Col. S. W. Cavender, USA, Surgeon; Lt. Col. S. O. Norreale, USA, Chaplain; Lt. Col. W. P. Asprey, USAF, Security Officer.

Also the following Deputy Chiefs of Staff: Col. F. R. Fee, USAF, Comptroller; Capt. J. R. Penland, USN, Personnel; Col. S. W. Lipton, USA, Engineering and Supply; Capt. D. C. Goodman, USN, Operations; Col. W. S. Hutchinson, jr, USA, Weapons Effects Tests; Col. C. E. Garson, USAF, Research and Development; and Col. S. M. Yarbrough, USA, Special Weapons Training.

Highlights In Fiscal '60 Budget

CONGRESSIONAL approval of the fiscal '60 military budget was marked by these highlights:

MANPOWER—The President asked for funds to support a force of 2,520,000 on active duty and 977,871 in the Reserve components, as follows: Army 870,000; Army Reserve 285,000; Army National Guard 380,000; Navy 630,000; Naval Reserve 135,000; Air Force 845,000; Air National Guard 74,500; Air Reserve 60,560; Marine Corps 175,000 and Marine Corps Reserve 42,811. Congress approved all of the requests, and granted additional funds to support an active duty Marine Corps of 200,000, an Army National Guard of 400,000 and an Army Reserve of 300,000. Only the National Guard strength was made mandatory.

RETIRED PAY—The President requested and Congress approved \$715 million to pay retired pay costs during the current fiscal year.

NAVY CARRIER—The President asked for \$260 million to build a conventionally powered attack carrier. The House refused the funds. The Senate voted \$380 million to build an atomic carrier. House-Senate conferees decided finally on \$35 million to procure long lead-time items for the \$380 million ship.

ARMY MODERNIZATION—The House granted \$63 million more than the President requested for Army modernization. The Senate boosted the increase to about \$386 million. House-Senate conferees agreed on \$338 million, including \$100 million to be re-programmed from Nike-Hercules procurement.

NIKE-ZEUS—A House increase of \$137 million to accelerate the Nike-Zeus anti-missile missile won both Senate and Administration approval.

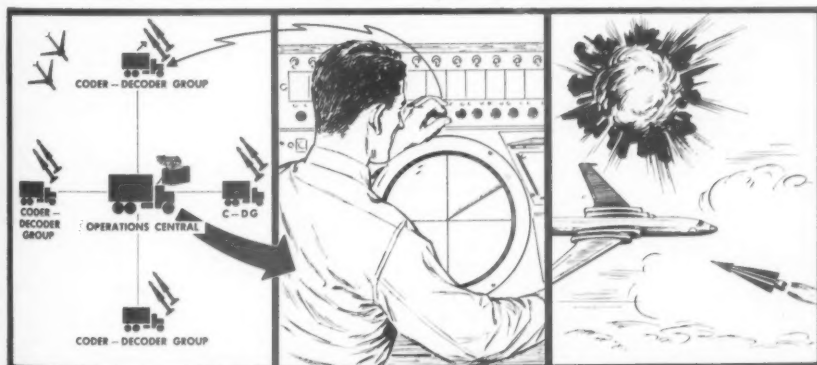
AIRCRAFT—\$50 million requested by the President to purchase 35 jet utility trainers and 14 jet navigational trainers was disallowed by the House, restored by the Senate and given a final OK in conference. Senate attempts to win approval for the procurement of 11 F-27 turbo-prop Fairchild transports, at a cost of \$11 million, failed to obtain conference acceptance.

MACE MISSILE—The President's request for \$127.5 million for the Mace missile was disapproved by both Houses although the Senate authorized the Secretary of Defense to continue the program provided he could shift necessary funds from some other missile program. This was approved in conference with an added proviso that money can be obligated for Mace procurement only if the Secretary of Defense certifies in writing that the missile "is essential to the military posture of this country."

ANTI-SUBMARINE WARFARE—The House approved \$255.3 million extra for ASW programs. The entire amount was axed by the Senate, which cranked in \$18 million for an anti-submarine submarine, instead. In conference, about half of the House boost was restored.

MATS MONEY—The House specified that \$80 million of MATS funds must go to commercial carriers. The Senate boosted the amount to \$100 million. Final conference action set the amount at \$85 million.

"Vest Pocket" Defense System Action Depicted



THIS sketch, prepared by engineers of Hughes Aircraft Company, Fullerton, Calif., illustrates the Army's new "vest pocket" air defense system in action. "Operations Central" unit, pictured at left, serves as nerve center through which detection target assignment and target status data is transmitted to four or more antiaircraft missile batteries in the network. The system has truck-mounted coder-decoder groups adjacent to missile batteries for converting pinpoint target position data to form which can be used for firing control of Hawk or Nike missiles. In center panel, an Army commander at operations central is assigning the approaching hostile aircraft to a particular battery, permitting Army units to concentrate accurate fire depicted in panel at right. (See Story, Page 34.)

Budget Center

From first page—

million the President had requested. Funds approved for the Navy total \$11 billion, about \$100 million less than the President asked. Congress added \$137.3 million for anti-submarine warfare, but approved only \$35 million of a \$260 million carrier request.

The Defense Department was granted \$1,373,225,000, or \$15 million less than the President requested.

Motorola Names H. M. Ross Military Program Chief

Harvey M. Ross, Chief Engineer of the Defense Systems Laboratory at Motorola's Western Military Electronics Center in Phoenix, has been named Manager of Program Development.

Joseph A. Chambers, Vice President and General Manager, said Mr. Ross will be responsible for planning and coordination of new business activity within the engineering department.

Extend "Tombstone" Deadline To Prevent Injustice Is Plea By Two Lawmakers

From first page—

officers already have requested early retirement in order to take advantage of the "tombstone" authority before it expires. The retirement division said more applications "are to be expected."

• The Navy JAG has ruled that officers whose voluntary retirement applications are submitted and finally approved before 1 November, with retirement effective 1 November, will avoid the "tombstone" promotion repeal. This ruling also will be followed by the Marine Corps.

• The Navy Retirement Division said "no deadline" date has been set for the receipt of retirement applications, but cautioned officers to submit applications "as soon as possible."

Navy officials noted that normally it requires three months to process such requests.

The Marine Corps has adopted the same policy of not fixing a specific deadline date.

The Stratton-Huddleston Bill to postpone repeal of the "tombstone" promotion authority for eight months is certain to gain some support from other members of Congress. Both Representatives are members of the House Armed Services Committee.

They were supported in their action by another Committee member, Representative L. Mendel Rivers (D-SC), Chairman of the House Armed Services Subcommittee on Reserves.

"Unnecessary And Unfair"

Addressing the House on the subject on 5 August, Congressman Stratton termed the abrupt elimination of the "tombstone" provision as "unnecessary and unfair."

He predicted that repeal of the authority would force a wholesale scramble for retirement among both Regular and Reserve officers within the next two months. This, he said, "could seriously impair the effectiveness and morale of our seagoing forces and our able and efficient Reserve components."

Although the "Hump" legislation which contains the repeal legislation applies only to Regular officers, the loss of retirement promotion authority applies to all active duty members of the Navy, Marine Corps, and Coast Guard.

Representative Stratton told the House that the "tombstone" provision had never even been mentioned in the House Committee hearings.

He said the action represents a "breach of faith," and amounts to "changing the rules in the middle of the game."

The repeal language was added to the "Hump" measure by the Senate Armed Services Committee. When the bill came back to the House, a majority of the House Armed Services Subcommittee members who originally approved the "Hump" plan agreed to accept the Senate amendment without argument.

Thus, the repeal language was never considered by the full Armed Services Committee in the House.

Subcommittee members acted, however, with the approval of Chairman Carl Vinson (D-Ga.), who since has said that the "tombstone" authority—in effect for 34 years—has "outlived its usefulness."

Congressman Stratton and two other members of the House Subcommittee could not be contacted at the time the decision was made to accept the Senate amendment.

The New York Democrat told THE JOURNAL he never would have agreed to the Senate language. He pointed out in speech on the floor of the House that many officers at sea or on duty stations overseas might be forced, under provisions of the "Hump" measure, to decide in the next two or three weeks whether to retire and take advantage of a retirement promotion or continue on active duty in the hope of obtaining more retired pay for a longer period of service, with the threat of being forced out under the "Hump" law.

Within the time limits set by the law, "many of these officers just won't get a chance to get home and discuss with

their wives and families a decision that could have a profound effect on their future," Representative Stratton said.

He added that retirements of outstanding Reserve officers "might well disrupt the whole program overnight."

Congressman Stratton urged that in all fairness Regular and Reserve officers be given a full year to make this important decision. "Since there is no need for haste," he said, "let's play fair with our Regulars and Reservists."

The Navy on 4 August, in an official AINav, issued the following instructions concerning repeal of the "tombstone" authority:

"Effective 1 November, the authority to advance officers on the retired list by reason of having been commended for performance of duty in actual combat will be repealed. It is the opinion of the Judge Advocate General that voluntary retirement applications submitted and finally approved prior 1 November 1959 with retirement effective 1 November 1959 are not affected by that repeal.

"Soon As Possible"

"Officers desiring to retire 1 November or earlier should submit requests as soon as possible, followed at earliest by report of physical examination to insure adequate time for administrative processing and issuance of necessary orders. Amendments in retirement dates requested in outstanding retirement requests, if desired, should be submitted at earliest practicable date. Criteria in SecNav Instruction 1811.3A apply."

Similar instructions to the field were being prepared by the Marine Corps as THE JOURNAL went to press.

Disability Retirement No Bar To \$2,000

Contrary to a Marine Corps message sent to field commands, Navy and Marine Corps officers retired for physical disability after being selected for non-continuation under the "Hump" bill should be eligible to receive the \$2,000 force-out payment accorded other officers.

The Corps has indicated in an official ALMAR that officers retired for physical disability will not be eligible for the force-out pay.

Lt. Col. John R. Blandford, USMCR, Counsel for the House Armed Services Committee, advised THE JOURNAL that this interpretation of the still-to-be-signed law is "very questionable," and is "contrary" to his understanding of the Congressional intent.

He said, "If the officer was put in the position of being eliminated from active duty because of the 'Hump' act, then the reason for which he is retired is inconsequential insofar as the separation payment is concerned."

Colonel Blandford, who played a major role in writing the new law, noted that the legislation, itself, makes no mention of disability retirement. He said no Departmental interpretation should deprive officers with physical disabilities from receiving the \$2,000 payment provided they are non-continued under the "Hump" rules and then determined to be physically disabled.

Only two categories of non-continued officers are excluded from the "Hump" force-out pay. They are: (1) those who are promoted after the "Hump" law takes effect and who are subsequently non-continued, and (2) those whose record of performance is not adequate to justify their continuation on active duty. The "sub-standard" determination must be made by the continuation board.

Col. Irwin Gets G-1 Post With ARADCOM

Col. Wilbur J. Irwin has reported to Army Air Defense Command Headquarters at Colorado Springs, Colo., as Chief of the Programs Division G-1, from the Army War College, Carlisle Barracks, Pa. Colonel Irwin is married to the former Miss Beth Ireland of Brighton, Colo.

Births • Marriages • Deaths

(No charge for Service announcements. Please print all names.)

Born

ABBEY—Brooke AH, Ft Sam Houston, Tex 24 Jul Maj and Mrs Charles E Abbey, daughter.

AMATO—Ft Jackson, SC 27 Jul 2d Lt and Mrs Pasquale R Amato, son, Chad Robert.

ANDERSON—Ireland AH, Ft Knox, Ky 25 Jul Maj and Mrs Arnold V Anderson, 5759-B Allison Ave, Ft Knox, daughter, Phyllis-Anne.

BARNHARDT—USNH, Newport, RI 26 Jul Ens and Mrs Jacob C Barnhardt, jr, 14 Loyola Ter, Newport, daughter.

BARSCH—Sheppard AFB, Tex 21 Jul Capt and Mrs Henry J Barsch, daughter.

BECKER—USNH, Newport, RI 25 Jul Lt (jg) and Mrs James L Becker, 20 Cranston Ave, Newport, son.

BECKER—DeWitt AH, Ft Belvoir, Va 26 Jul Maj (USAF) and Mrs Edgar J Becker, son.

BEDFORD—Lackland AFB, Tex 28 Jul Capt and Mrs William Bedford, Qtrs 4229 KAFB, Kelly Air Force Base, Tex, daughter.

BELL—Ft Sill, Okla 23 Jul Lt and Mrs Leroy C Bell, daughter.

BENN—Vance AFB, Okla 22 Jul 1st Lt and Mrs Joseph P Benn, son.

BIGGER—Neubrucke/Nahe, Germany 18 Jul S/Sgt and Mrs John R Bigger, son, John R, 2d.

BISSLAND—Otis AFB, Mass 5 Jul 1st Lt and Mrs Alexander C Bissland, son, Ronald Edward.

BLESSING—Ft Carson, Colo 17 Jul Capt and Mrs Frederick P Blessing, 1105 Park View Blvd, Colorado Springs, Colo, son.

BRIGGMAN—Ft Jackson, SC 25 Jul 1st Lt and Mrs Rogers C Briggman, son, Rogers Clinton, Jr.

CALLAHAN—Dreux, France 24 Jul 1st Lt and Mrs Thomas P Callahan, 2d AACs Sq, 322d Air Div, APO 84, NY, son, Thomas P Keith.

CANTRELL—Ft Sill, Okla 26 Jul WO and Mrs James A Cantrell, daughter.

CAPLINGER—Ft Jay, NY 22 Jul Capt and Mrs Dennis N Caplinger, son, Casey Brown.

CASE—Ft Carson, Colo 19 Jul Capt and Mrs Robert Case, 2525 N Tejon, Colorado Springs, Colo, daughter.

CHILTON—Sheppard AFB, Tex 22 Jul 1st Lt and Mrs Donald O Chilton, daughter.

CLEVELAND—USNH, Newport, RI 17 Jul Cdr and Mrs Blair Cleveland, son.

COCKS—Maxwell AFB, Ala 28 Jul Lt Col and Mrs George R Cocks, son, Daniel Tyson.

COLLARD—Ft Lee, Va 20 Jul 2d Lt and Mrs Donald A Collard, daughter.

COLLINS—Dow AFB, Me 26 Jul 1st Lt and Mrs George H Collins, son.

COUTO—Sheppard AFB, Tex 20 Jul 2d Lt and Mrs Edwin R Couto, daughter.

COVINGTON—Neubrucke/Nahe, Germany 20 Jul 1st Lt and Mrs George V Covington, son, George V.

DANIEL—Keesler AFB, Miss 23 Jul 2d Lt and Mrs Allen J Daniel, daughter, Edith.

DAVIS—Lackland AFB, Tex 27 Jul Capt and Mrs Silas Davis, 103 Ferson Loop, Lackland AFB, son.

JAY—Ft Meade, Md 21 Jul Maj and Mrs Franklin R Day, daughter.

DENNISON—Ft Dix, NJ 24 Jul Capt and Mrs Dale Dennison, son, Glenn George.

DONAHUE—Keesler AFB, Miss 19 Jul 1st Lt and Mrs John F Donahue, daughter, Karen Lynn.

DORAN—Otis AFB, Mass 11 Jul CWO and Mrs Joseph W Doran, daughter, Lour Jean.

ECKERT—Rodriguez AH, Ft Brooke, PR 22 Jul Lt (USN) and Mrs George H Eckert, daughter, Margaret Theresa.

ERICKSON—Ft Jay, NY 7 Jul Maj and Mrs William Erickson, daughter, Susan Rebecca.

ERVI—Ft Carson, Colo 23 Jul WO and Mrs James R Ervi, 1105 Evergreen Dr, Colorado Springs, Colo, son.

ESCRIBANO—Ft Jay, NY 26 Jul Capt and Mrs Angel A Escrignano, son, Josefin.

EWING—Keesler AFB, Miss 25 Jul Capt and Mrs Dwight S Ewing, daughter, Julie Ann.

FITTING—Ft Eustis, Va 26 Jul WO and Mrs Charles L Fitting, son.

FOLEY—Vance AFB, Okla 24 Jul Capt and Mrs James M Foley, daughter.

GARRITY—Rodriguez AH, Ft Brooke, PR 23 Jul Lt (jg) (USN) and Mrs Robert W Garrity, daughter, Lyn Johanna.

GATES—Neubrucke/Nahe, Germany 18 Jul Sgt and Mrs Dale W Gates, son, Gaylin W.

GEISKOPF—Travis AFB, Calif 20 Jul Maj and Mrs Earl Geiskopf, son.

GIFFORD—Fitzsimons AH, Denver 28 Jul 2d Lt (USAF) and Mrs George E Gifford, son.

GMEINER—Travis AFB, Calif 21 Jul Maj and Mrs Richard Gmeiner, son.

GOLPHENE—Neubrucke/Nahe, Germany 21 Jul Sp5 and Mrs James D Golphene, son, James S, Jr.

GOODWIN—Ft Carson, Colo 18 Jul Capt and Mrs Stanley L Goodwin, 1301 Margo Lane, Colorado Springs, Colo, son.

GRAHAM—Neubrucke/Nahe, Germany 18 Jul Sp5 and Mrs Shelly D Graham, son, Eugene D.

GUERNSEY—USNH, Newport, RI 21 Jul Lt (jg) and Mrs Charles H Guernsey, 116 Prospect Ave, Middletown, RI, son.

GURLEY—Dreux, France 24 Jul S/Sgt and Mrs Bobby G Gurley, 317th TacHosp, APO 253, NY, daughter, Kinda Kay.

GURLEY—Vance AFB, Okla 26 Jul 2d Lt and Mrs Gary R Gurley, daughter.

HAM—Sheppard AFB, Tex 21 Jul 1st Lt and Mrs Charles O Ham, son.

HARDY—Ft Dix, NJ 24 Jul 1st Lt and Mrs Edward Hardy, daughter, La Tanya Renee.

HARRELL—Ft Jackson, SC 18 Jul Capt and Mrs William R Harrell, son, Craig Lawson.

HART—Maxwell AFB, Ala 25 Jul Maj and Mrs Raymond J Hart, son, Kevin Raymond.

HAUTOT—Ft Eustis, Va 22 Jul WO and Mrs James J Hautot, son.

HENRY—Patterson AH, Ft Monmouth, NJ 25 Jul WO and Mrs Arthur J Henry, Jr, Battery D, 4th Missile Bn, Hamlet, NJ, son.

HESS—Ft Sill, Okla 22 Jul Lt and Mrs Carl H Hess, daughter.

HESTER—Otis AFB, Mass 5 Jul Capt and Mrs Clifton L Hester, jr, daughter, Claire Leslie.

HIGGINS—DeWitt AH, Ft Belvoir, Va 29 Jul Lcdr (USN) and Mrs Winford T Higgins, son.

HINGST—DeWitt AH, Ft Belvoir, Va 28 Jul 1st Lt and Mrs John M Hingst, son.

HOWARD—Dreux, France 25 Jul 1st Lt and Mrs Charles F Howard, 40th Trp CARON, 322d Air Div, APO 253, NY, son, Charles Fairbanks, 3d.

HULL—Ft Eustis, Va 22 Jul 2d Lt and Mrs Arthur V Hull, son.

HURST—Ft Sill, Okla 23 Jul CWO and Mrs Daniel T Hurst, son.

HUYSSOON—Ft Sill, Okla 21 Jul Lt and Mrs John W Huyssoon, son.

JANCZEWSKI—DeWitt AH, Ft Belvoir, Va 25 Jul Capt (USAF) and Mrs George H Janczewski, daughter.

JAQUISH—Vance AFB, Okla 21 Jul 2d Lt and Mrs David F Jaquish, daughter.

JENSEN—DeWitt AH, Ft Belvoir, Va 30 Jul Maj and Mrs Alvin C Jensen, son.

JOHANNESSEN—Fitzsimons AH, Denver 30 Jul Capt and Mrs John M Johannesen, daughter.

JOHNSON—Lackland AFB, Tex 27 Jul 2d Lt and Mrs Donald Johnson, 309-A Croydon BMV, Lackland AFB, son.

JOHNSON—Fitzsimons AH, Denver 28 Jul Col and Mrs Dan W Johnson, daughter.

JONES—Neubrucke/Nahe, Germany 20 Jul Sp5 and Mrs Donald W Jones, daughter, Cynthia A.

KARRIKER—Neubrucke/Nahe, Germany 19 Jul 1st Lt and Mrs Jerry R Karriker, son, Jerry R, Jr.

KINCAID—Patterson AH, Ft Monmouth, NJ 22 Jul 2d Lt and Mrs William L Kincaid, 36 Werah Pl, Oceanport, NJ, daughter.

KLIFFEL—Dow AFB, Me 25 Jul 1st Lt and Mrs Robert Kliffel, daughter.

KNOX—DeWitt AH, Ft Belvoir, Va 29 Jul 1st Lt and Mrs James R Knox, son.

LEDIG—Ft Sill, Okla 24 Jul Maj and Mrs Roy E Ledig, son.

LEDLUM—Ft Eustis, Va 26 Jul 1st Lt and Mrs Henry B Ledlum, daughter.

LEONHARD—Ft Lee, Va 18 Jul 1st Lt and Mrs Robert D Leonhard, daughter.

LORINCZ—Ft Eustis, Va 21 Jul Capt and Mrs Lazaro J Lorincz, son.

MARCEAU—DeWitt AH, Ft Belvoir, Va 30 Jul CWO (USAF) and Mrs Alan Marceau, son.

MEAD—DeWitt AH, Ft Belvoir, Va 25 Jul 2d Lt and Mrs Arley J Mead, son.

MESLOW—Lackland AFB, Tex 25 Jul 2d Lt and Mrs Robert Meslow, 411 Dateland Ct, Lackland AFB, son.

McANDREW—Ft Lee, Va 16 Jul Capt and Mrs Thomas J McAndrew, jr, daughter.

McLAUGHLIN—Ft Lee, Va 16 Jul 2d Lt and Mrs William McLaughlin, son.

MORGAN—Patterson AH, Ft Monmouth, NJ 26 Jul Capt and Mrs James R Morgan, 42 Valentine St, Monmouth Beach, NJ, son.

MORRISSEY—Maxwell AFB, Ala 13 Jul Lt Col and Mrs Robert W Morrissey, daughter, Margaret Mary.

MUNN—Ft Eustis, Va 27 Jul CWO and Mrs Neil B Munn, daughter.

PANTSARI—Ft Jackson, SC 17 Jul Capt and Mrs Eric W Pantsari, son, William Joseph.

PAQUETTE—DeWitt AH, Ft Belvoir, Va 25 Jul Capt and Mrs Dean R Paquette, son.

REARDON—Maxwell AFB, Ala 14 Jul Capt and Mrs Robert M Reardon, son, Robert Meighan.

REDDING—Ft Jackson, SC 27 Jul 1st Lt and Mrs Ronald E Redding, son, Tod Kyle.

REESE—Ft Meade, Md 27 Jul Lt (jg) and Mrs Clyde A Reese, son.

RIESE—Ft Eustis, Va 27 Jul Capt and Mrs Paul E Riese, son.

ROBERTSON—Ft Jackson, SC 23 Jul Lt Cdr and Mrs William D Robertson, daughter, Frances Tuttle.

RUSE—Neubrucke/Nahe, Germany 20 Jul Sp4 and Mrs Gary E Ruse, daughter, Sandra L.

RUSS—Ft Sill, Okla 25 Jul CWO and Mrs John T Russ, daughter.

SAWVELL—Lackland AFB, Tex 28 Jul Capt and Mrs Austin Sawvell, 307 Fairchild, Lackland AFB, daughter.

SCHAFER—Neubrucke/Nahe, Germany 20 July Sfc and Mrs Dale E Schaffer, daughter, Diana D.

SCHRIEVER—DeWitt AH, Ft Belvoir, Va 30 Jul Capt and Mrs Byron N Schriever, son.

SHEATHELM—DeWitt AH, Ft Belvoir, Va 26 Jul 2d Lt and Mrs Russell W Sheathelm, daughter.

SIMCOX—Ft Leonard Wood, Mo 22 Jul 1st Lt and Mrs George N Simcox, son, George Patton.

SMITH—Brooke AH, Ft Sam Houston, Tex 22 Jul 2d Lt and Mrs James M Smith, son.

SOKOLOFF—Brooke AH, Ft Sam Houston, Tex 24 Jul Capt and Mrs Burton Z Sokoloff, daughter.

STEELE—DeWitt AH, Ft Belvoir, Va 30 Jul Lt Col (USAF) and Mrs Richard A Steele, daughter.

STEELE—DeWitt AH, Ft Belvoir, Va 29 Jul Maj and Mrs Chester D Steele, daughter.

STEVES—Dreux, France 22 Jul T/Sgt and Mrs Alan M Steves, HEDRONSEC, 7305th AbGrp, APO 84, NY, son, Scott Alan.

STONE—DeWitt AH, Ft Belvoir, Va 29 Jul 1st Lt and Mrs Howard F Stone, son.

SUNDBERG—Maxwell AFB, Ala 28 Jul Maj and Mrs Paul V Sundberg, jr, daughter, Karen Marie.

SWAIN—Ft Sill, Okla 26 Jul Capt and Mrs James C Swain, son.

SWEENEY—Otis AFB, Mass 19 Jul 1st Lt and Mrs David F Sweeney, daughter, Laura Demetra.

SWIFT—Brooke AH, Ft Sam Houston, Tex 25 Jul 1st Lt and Mrs Paul C Swift, daughter.

SWISHER—Travis AFB, Calif 22 Jul Maj and Mrs Kenneth Swisher, son.

TAYLOR—Neubrucke/Nahe, Germany 20 Jul Sp4 and Mrs James F Taylor, son, Robert L.

TAYLOR—Vance AFB, Okla 22 Jul Capt and Mrs Carroll C Taylor, daughter.

TERHUNE—Travis AFB, Calif 19 Jul 1st Lt and Mrs Elmo Terhune, daughter.

TERRIBLE—Mary Immaculate Hosp, Newport News, Va 30 Jul Lt Col and Mrs Valentine T Terrible, 23 Charlton Dr, Hampton, Va, daughter, Deborah Ann. Col Terrible is asg to CONARC, Ft Monroe.

THOMPSON—Ft Meade, Md 22 Jul Capt and Mrs Harry J Thompson, son.

TINSLEY—Patterson AH, Ft Monmouth, NJ 27 Jul Capt and Mrs John N Tinsley, Raritan Arsenal, Metuchen, NJ, daughter.

WALTER—Ft Jay, NY 11 Jul Capt and Mrs Fred L Walter, daughter, Judith Lynn.

WEATHERLY—Brooke AH, Ft Sam Houston, Tex 24 Jul Capt and Mrs Albert T Weatherly, daughter.

WHITING—Neubrucke/Nahe, Germany 23 Jul Sgt and Mrs Marshall L Whiting, son, Marshall L, Jr.

WILLIAMSON—Brooke AH, Ft Sam Houston, Tex 22 Jul 1st Lt and Mrs David C Williamson, daughter.

WINKELMAN—Otis AFB, Mass 9 Jul 1st Lt and Mrs Benjamin F Winkelman, son, Myer David.

WODACK—Fitzsimons AH, Denver 23 Jul 1st Lt and Mrs John Wodack, daughter.

WOODRUFF—Memorial Hosp, Clarksville, Tenn 2 Mar Lt and Mrs Albert R Woodruff, son, Charlton Elrod Woodruff. Lt Woodruff asg 3d Light Avn Sect I Corps, Vungbu, Korea; Mrs Woodruff at 3904 Druid Hills Rd, Louisville, Ky.

Married

DICKSON-FECHTELER—St Mary's Chapel, Protestant Episcopal Cathedral of SS Peter and Paul, Washington, DC 1 Aug Miss Joan Stevens Fechteler, daughter of Adm (USN-Ret) and Mrs William M Fechteler, to Mr Ralph Russell Dickson, jr, son of Dr Dickson of Upper Montclair, NJ, and the late Mrs Sylvia G Dickson.

EBERHARDT-SMITH—Strickland Memorial Chapel, First Methodist Church, Valdosta, Ga, 1 Aug Lt Cdr La Forrest Wynel Smith, USN-Ret, daughter of Mrs Henry Gipson Smith, to Mr Homer Christian Eberhardt. The couple live at 1604 N Patterson St, Valdosta.

FOXWORTH-McDONALD—St Martin's Episcopal Church, Providence, RI 1 Aug, Miss Margaret-Lynne MacDonald, to Lt (jg) David Holman Foxworth, USN.

LOCKWOOD-KELLY—Lady of Lourdes Roman Catholic Church, Queens Village, NY, NY, 1 Aug Miss Ann Christine Kelly, to Lt Edward David Lockwood, USA.

Died

BALDWIN—Died of heart attack in his home, Long Beach, Calif, 10 Jul, Col Herbert Baldwin, USA-Ret. Survived by his wife, Mrs Sue E Baldwin, 100 Atlantic, Apt 1015, Long Beach. Burial, Long Beach.

BALZART—Died recently Capt Sep A Balzart, USA-Ret husband of Mrs Cornelia A Balzart, of 3140 LeRoy St, San Bernardino, Calif. Burial, San Francisco National Cemetery.

BOONE—Died St Albans, LI, NY 19 Jul Lt Col James M Boone, Ret.

CAMERON—Died Yountville, Calif 28 Jun 1st Lt Reba G Cameron, ANC, Ret.

CARLYLE—Died 11 Jun Maj Cecil L Carlyle, Inf, Ret.

COLLMER—Killed in helicopter crash near Easton, Md, 27 Jul, Lt (jg) Maurice E Collmer, 2d, 30, Dallas, Tex. Survived by his father, Mr M E Collmer, 7224 West Lake Dr, Dallas.

CONLEY—Died Ft McPherson, Ga 27 Jun CWO William J Conley, JAGC, Ret.

FISCHER—Died Ft Sam Houston, Tex 7 Jul 2d Lt Ernest G Fischer, AGC, Ret.

GWIN—Died 17 Jul of cancer 2d Lt Samuel Donnell Gwin, USMA '59, 22. Asg to Abn Arty. Survived by his mother, Mrs Louise M Gwin, of Goodman, Miss.

HORVATH—Died of a heart attack in his home in Odenton, Md, 2 Aug Maj William V Horvath, USA, 42, exec off, 3d Armd Cav, 2d Bn, Ft Meade, Md. Previously served 2 tours of duty in Germany. Survived by his wife, Harriet Horvath, two children, Blanche 12, and William 11, and by his father, Louis Horvath, of Bloomfield, NJ. Services 5 Aug in Dutt Rd Chapel, Ft Meade; Burial Arlington National Cemetery.

HUGHES—Died 4 Jul Maj Charles L Hughes, Inf, Ret.

HUMPHRIES—Died San Francisco 16 Jul Col Otho W Humphries, QMC, Ret.

JAMISON—Died Phoenixville, Pa 13 Jul 1st Lt George A Jamison, MSC-Ret.

LADD—Died Chicago 13 Jun Col James M Ladd, Inf-Ret.

LANDSMAN—Died Baxley, Ga 16 Jun Lt Col Jerome J Landsman, DC-Ret.

LEWIS—Died 24 Jun Maj Leroy Lewis, QMC-Ret.

LEWIS—Died Richmond, Va 6 Jul 1st Lt Samuel J Lewis, Ord C-Ret.

LINDLEY—Died Indianapolis, Ind 19 Jun Col Floyd E Lindley, Arty-Ret.

LORKOSKI—Died Ft Sam Houston, Tex 13 Jul 2d Lt John Lorkoski, QMC-Ret.

MACKIN—Died of heart attack in Newton, NJ 30 Jul Col Robert N Mackin, USA-Ret, 72, Chief of Intelligence, US Forces in Middle East, in WWII. Ret in 1947. Survived by wife, Isabel Mackin, two sons, Weldon F Mackin, Arlington, Va, and Robert N Mackin, jr, Sudbury, Mass; a brother, two sisters and two grandchildren. Burial Arlington National Cemetery 3 Aug.

MAMARIL—Died Manila, RP 18 Jun 1st Lt Christopher Mamaril, Ord C-Ret.

MAY—Died Brooklyn, NY 6 Jun Capt Murray M May, MC-Ret.

MILES—Died Ephrata, Wash 17 Jun Lt Col John W Miles, CE-Ret.

NORRIS—Died Washington, DC 30 Jun Capt John C Norris, sr, CMC-Ret.

RICE—Died 25 Jun Maj John A Rice, Inf-Ret.

ROSENFELD—Died at his home, Rock Island, Ill 29 Jul, Mr Walter A Rosenfeld, Ill Dir of Public Works and Buildings, 1941 to 1949. Survived by a son, Lt Col Walter A Rosenfeld, jr of Edwards AFB, Calif, and by a daughter, Mrs Eric N Isakson.

SCHWED—Died San Antonio, Tex 19 Jun Capt Fred Schwed, QMC-Ret.

SMITH—Died Burlingame, Calif 29 Jun Col Richmond Smith, Inf-Ret.

WADHAMS—Died 14 Jun Col Sanford Wadhams, MC-Ret.

WAINER—Died at his home in Havertown, Pa 27 Jul Col Max R Wainer, USA-Ret, 73. Served in Matanzas, Cuba in Cuban pacification; in Veracruz, Mexico Campaign; WWII in France with 28th Div, and in WWII at Ft Lee, Va. Survived by his wife, Amy Wainer; 2 sons, Dr Amos C Wainer and Max R Wainer, jr; a daughter, Mrs Harold Orenstein, 4 grandchildren; 3 brothers and 2 sisters.

WALLACE—Died at McGuire Veteran's Hosp, Richmond, Va 30 Jul, Maj Gen Fred Clute Wallace, USA-Ret (USMA '10). His last assignment before retiring in 1946 with 40 yrs serv was as CG, Okinawa Island Comd. He participated in planning attack and in landings on Okinawa. A field artilleryman he was a well known horseman and gunnery instructor. Survived by his wife, of "Fairmount," Stony Point, Va, where Gen and Mrs Wallace had lived since 1946; one son, Maj George M Wallace, 2d, USA, Hawaii; one granddaughter, Jane, and two sisters, Mrs Margaret Oliver and Mrs Mildred Boughton, both of Washington, DC. Burial was at Arlington National Cemetery 4 Aug.

WATSON—Died Ft MacArthur, Calif 3 Jul Maj Edward B Watson, CE-Ret.

WEBER—Died Hawaii 9 Jul Maj Eugene Weber, MC-Ret.

WELSH—Died Hawaii 19 Jul Lt Col Charles R Welsh, Ret.

"Inventive Genius" Award Will Go To Col. Fletcher Of Walter Reed

The Holley Medal, "bestowed only for an act of engineering genius resulting in public benefit," will be awarded to Col. Maurice J. Fletcher, designer of artificial limbs.

Director of the Army Prosthetics Research Laboratory, Walter Reed Army Medical Center, Washington, D. C., he will receive the medal at the annual meeting of The American Society of Mechanical Engineers 30 November at Atlantic City.

Colonel Fletcher will be cited "for his valuable contributions to the science of prosthetics, specifically for his inventive genius and engineering skill in designing artificial hand devices to give amputees a new lease on life."

The device which Colonel Fletcher designed enables the amputee to exert any force needed to grasp an object. The range of pressures not only exceeds those which would be physically tolerable with previous devices, but also what is attainable without pain or fatigue by the normal hand.

Most artificial hands previous to those of Colonel Fletcher's design provided very limited utility and poor appearance. They functioned exactly opposite to the normal act

of grasping and failed to provide a progressive force directly controlled by the amputee to suit the task.

Colonel Fletcher also designed a lock for the hand which operates without a control knob. Previous locks all required use of the other hand or pressure on another object to be effective. In the new lock, tension on the hand control cable closes the hand and prevents objects from dropping and release of tension opens the hand or engages the lock. An artificial hand using this lock can be made to open and close very rapidly, useful, in Colonel Fletcher's words, "for apple sorting."

A special spring also provides a "breakaway" to protect the amputee if his arm were locked to a bus hand rail or other moving object.

Colonel Fletcher, who originally trained for architectural engineering and later became a registered patent attorney in 1931 was commissioned in the Cavalry Reserve and served in the Infantry and the Ordnance Department.

In 1945, after service in World War II, he transferred to the Army Medical Service. He holds many patents on his prosthetic appliances.

Top Officials View New AF Medical Kit

(Story, Page 19)

GUNTER AFB, ALA.

Top Service officers and other Government officials gathered here 4 August to view the first public demonstration of the Air Force's Medical Training Kit.

Explaining the kit to visiting officials and newsmen were Lt. Gen. Walter E. Todd, Commander of the Air University; Maj. Gen. O. K. Niess, Air Force Surgeon General; Col. Harold Ellingson, Commander of the Gunter Branch of the AF School of Aviation Medicine; Lt. Col. James H. Moore, Director of the Non-Resident Training Division for the Gun-

ter Branch, where the training kit was developed; and Maj. James D. Clark, Project Officer for the kit.

Among the high level officials witnessing the demonstration were Dr. Frank B. Berry, Assistant Secretary of Defense for Health and Medical; RADM. W. L. Knickerbocker, SC, USN, Director of the Medical Material Supply Agency; and representatives of the Office of Defense Mobilization, Department of Health, Education and Welfare, Budget Bureau, Veterans Administration, Atomic Energy Commission, American Red Cross and American Medical Association.

Col. Hurlburt Keeps Busy In Varied Clearwater Posts

Col. Edward L. Hurlburt, USAF-Ret., formerly Deputy Director for Air, Inter American Defense Board, Washington, D. C., and for 10 years Manager of American Airlines at Memphis, is one

of the most active citizens of Clearwater, Fla.

He is Commander, St. Petersburg-Clearwater Squadron of the Air Force Association; Chairman of Clearwater Chamber of Commerce Aviation Committee; and a member of the Citizens Airport Advisory Committee, Pinellas County Commission, active in the planning, construction, and dedication of the St. Petersburg-Clearwater International Airport.

Colonel Hurlburt is also Governor, Tampa-St. Petersburg-Clearwater Hangar of Quiet Birdmen Aviation Society.

He attended Washington and Lee University and is a member of the Christ Presbyterian Church, Kappa Sigma Fraternity, Shrine Club of Clearwater, Retired Officers Club, The Bath Club, The Dunedin Isles Country Club.

An active realtor and member of the Clearwater Board of Realtors and the National Association of Real Estate Boards, he and his wife, Virginia, and their son, Edward L. 4th, live at 206 Harbor View Lane, Harbor Bluffs, Largo, Fla.



Col. Hurlburt

They End Careers

Maj. Gen. P. H. Robey, USAF, Ogden Air Material Area Commander at Hill AFB Utah, for the past three years, has retired after 30 years service.

Col. Frank M. Steadman, USA-Ret., former Quartermaster Research & Engineering Command Liaison Officer to the Military Clothing & Textile Supply Agency, Philadelphia QM Depot, plans to return to school for graduate studies in the fields of quality control and operations research, preparatory to industrial or consultant activities. Colonel Steadman resides at 2511 Mansfield Avenue, Drexel Hill, Pa.

Col. O. Z. Tyler, jr., USA, a former CofS of the Army Infantry Center, has retired at Ft. Benning, Ga., after 28 years service. He came to Benning to retire after service as Deputy CofS of the United Nations Command in Korea, a job which is being assumed by Col. Robert H. York, previously Infantry Center CofS who recently left Benning.

Col. Edgar Wright, jr., USA-Ret., former Ft. Lewis, Wash., Deputy Commander will reside at 11019 Interlaken Drive, Lakeland, Wash. He and his wife, Marjorie, have two sons, Edgar, 17, and James, 12, and a daughter, Taril, 11.

Col. McClelland Retires

Col. Charles B. McClelland, Deputy to Maj. Gen. Sidney C. Wooten, CG of Ft. Devens, Mass., has retired after 30 years' service.

Mrs. McClelland has been active in community affairs at Devens, serving as President of the Thrift Shop Council and Manager of the Thrift Shop. Colonel McClelland has three daughters, Jean, Kathleen and Marian.

Military Surgeons Set '59 Meeting in D. C.

Some 2,000 physicians, dentists, veterinarians, nurses, and medical specialist delegates will attend the 66th Annual Convention of the Association of Military Surgeons 9-11 November at the Mayflower Hotel in Washington, D. C.

Col. James B. Stapleton, MC, has been named Chief of the Personnel and Training Division in the Office of the Army Surgeon General, succeeding Col. Byron L. Steger, MC, assigned to command Womack Army Hospital, Ft. Bragg, N. C. Colonel Stapleton, his wife, Muriel, a son, Jim, jr., 17, and a daughter, Patricia Ann, 11, reside at 5906 Dillon Avenue, McLean, Va. Another daughter, Sue, is the wife of Lt. Richard Mackin, Third Armored Division pilot stationed in Germany.

Lt. Col. Jesse W. Brumfield, MSC, has been appointed Administrative Assistant to the Chief of the Army Medical Service Corps after duty at Walter Reed Army Medical Center as Executive Officer, Forest Glen, Md., Section. Colonel Brumfield, his wife, Dorothy, and their children, Jesse, jr., 14, and David, 13, reside at 9514 Pin Oak Drive, Silver Spring, Md.

Lt. Col. Carroll G. Hawkinson, DC, retired 1 August at Ft. Carson, Colo. He will return to private practice in Minneapolis.

Maj. Clarence L. Siefert, MSC, has joined the Office of the Army Surgeon General in the office of the Special Assistant for Reserve Affairs. He recently completed the Advanced Officers Course at the Army Medical Service School, Brooke Army Medical Center, Ft. Sam Houston, Texas.

He is married to the former Miss Dixie Unsell, who was a Captain in the Army Nurse Corps during WWII. The Sieferters reside with their two children, Ernest, 12, and Sally, 4, at 7407 Grace Street, Springfield, Va.

Lt. Col. John H. Harrison, VC, is the new Veterinarian of the Army Armor Center at Ft. Knox, Ky. He replaces Col. G. H. Zacherle, jr., assigned to Headquarters, Veterinary Food Inspection Service, Chicago. Colonel Harrison came to Knox from Ft. Sam Houston, Tex.

Lt. Col. Albert J. Bauer, Assistant Chief of Brooke Army Hospital's Radiology Service at Ft. Sam Houston, Tex., is the newly elected President of the Civilian-Military Radiological Society of San Antonio.

Cdr. Albert Olson, MSC, USN, has retired at the National Naval Medical Center, Bethesda, Md., after more than 27 years service. He had been Head, Medical Board Room, Naval Medical School, and a member of the Naval Examining Board.

He is married to the former Miss Dorothy E. Markle of San Diego, where they will reside at 4484 Illinois Street.

LCdr. Robert W. Ware, MSC, is the new Aide and Executive Assistant to RADM. Bartholomew W. Hogan, Navy Surgeon General. Reporting from the Ninth Naval District, Great Lakes, Ill., where he was Medical Records and Personnel Officer, in the District Medical Office, Commander Ware succeeds CWO J. W. Wilson, who had held the post on an acting basis since April 1958.

Cdr. M. E. Keizur, MSC, Director of BuMed's Hospital Corps Division, reports "an urgent need for hospital corpsmen to apply for training as Medical Illustration Technicians." Qualified individuals will find complete details in BuMed Instruction 1510.4D.

Capt. R. A. Colby, DC, USN, has been elected President of the American Academy of Oral Pathology, and Cdr. H. H. Scofield, DC, USN, has been chosen a Vice President.

Maj. Gen. Harold H. Twitchell, USAF, (MC), is President.

There will be approximately 60 technical exhibits and 12 scientific exhibits.

Reserve officers attending the meeting may register for credit points.

Lt. Col. Richard L. Howard, DC, has joined the Army Surgeon General's Office, for duty in the Dental Division. He was graduated from the Coramand and General Staff College, Ft. Leavenworth, Kansas, in June. Colonel Howard, who is married to the former Mary Margaret Carlson of Red Bluff, Calif., lives at 3833 Denfield Avenue, Kensington, Md., with their four children, Karen Harris, 16; James Harris, 12; Vicki Howard, 10; and Mark Howard, 4.

Col. Raymond E. Duke has been named to succeed Lt. Col. William T. Lane as VII Corps Surgeon in Germany. Colonel Duke has been Assistant Commandant of the Army Medical Service School, Brooke Army Medical Center, Ft. Sam Houston, Tex.

Lt. Col. James B. Hartgering, MC, a pioneer in nuclear medicine research, received the Certificate of Achievement in recent ceremonies at Walter Reed Army Institute of Research, Washington, D. C. He was cited for work as Deputy Chief and later Chief of the Division of Nuclear Medicine and Bio-chemistry from July 1954 to 1 June. He is now Chief of the Biological and Medical Science Branch, Office of Research and Development at the Pentagon.

Colonel and Mrs. Hartgering, with their sons John, 15, and William, 10, reside at 4405 N. 41st St., McLean, Va.

Lt. Col. Helen M. Davis, AMSC, will attend the American Dietetic Association's 42d Annual Meeting in Los Angeles 25-28 August. She is Chief Dietitian in the Army Medical Specialist Corps. Other AMSC representatives at the meeting will be Lt. Col. Ruby Winslow, who is responsible for the dietetic internship at Walter Reed Army Medical Center, Washington, D. C., and Maj. Katherine Manchester, head of the internship in dietetics at Brooke Army Medical Center, Ft. Sam Houston, Tex.

Capt. Kenneth D. Garis, MSC, has been assigned to the Army Surgeon General's Office from Madigan Army Hospital, Wash. He is married to the former Miss Charlotte Pattison of Oklahoma City. They reside at 3572 Military Road N. Arlington, Va., with their two children, Sharyn 12, and Kenneth, 11.

Lt. Col. Ingalls H. Simmons, MC, Chief of the Department of Preventive Medicine at the Army Medical Service School, will leave Ft. Sam Houston, Tex., this month for Orleans, France, where he will be Chief of Preventive Medicine for the Communications Zone.

Col. Louis S. Leland had been appointed Surgeon, U. S. Army Japan, and Commanding Officer, Army Medical Command, Japan. He replaced Col. Charles H. Mosley, reassigned to the Army Medical Service School, Brooke Army Medical Center, Ft. Sam Houston, Tex.

Col. C. L. Kirkpatrick, MC, USA-Ret., until recently Post Surgeon and Commanding Officer of DeWitt Army Hospital, Ft. Belvoir, Va., has been succeeded by John T. B. Strode, formerly Commanding Officer of the Army Hospital, Ft. Leonard Wood, Mo.

Colonel and Mrs. Strode reside at Quarters 58, Fort Belvoir. They have one son, John T. B., jr., 21, a student at Virginia Polytechnic Institute, Blacksburg, who has been at Ft. Knox, Ky., attending ROTC Summer camp. Their daughter, Rebekah, age 18, will attend Mary Washington College in Fredericksburg, Virginia, in the fall.

Colonel Kirkpatrick is serving as Clinical Director of the Middlesboro Memorial Hospital, Middlesboro, Ky.

Journal Classified

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Maj. Gen. Hamilton H. Howze, USA, is in Seoul to serve as Chief of the U. S. Army Advisory Group, Korea (KMAG). A '30 USMA graduate he had been CG of the 82d Airborne Division at Ft. Bragg, N. C.

Col. Joseph S. Peddle, Inspector General at Robins AFB, Ga., has been serving as an Episcopal rector—counseling, making sick calls, teaching an adult Sunday School class, and preaching every Sunday. As a Perpetual Deacon, he is permitted by the Episcopal Church to accomplish all priestly duties except to consecrate the bread and wine at Holy Communion and give Absolution.

Capt. Virginia Brennan, newly assigned to the Staff Judge Advocate Office at MATS Headquarters, Scott AFB, Ill., is the first woman in uniform to be admitted to practice before the U. S. Supreme Court.

Texas

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Names In The News In All The Services

Maj. Gen. David M. Shoup, USMC, CG of the Parris Island, S. C., Recruit Depot, is the new President of the Second Marine Corps Division Association. It was during the battle of Tarawa that General Shoup, then a colonel, won the Medal of Honor.

Fred Baldasare, an Army civilian employee, holds the world's underwater distance record following a submerged swim at the Ft. Rucker, Ala., Olympic Swimming Pool of 13.2 miles in 13 hours and 15 minutes. A notary public stayed at the pool throughout and checked off the number of laps and time. The old record was 12.2 miles. His first request when he crawled out of the pool was to see his wife, Jane, who recently attempted to break the women's underwater endurance record in Pensacola but failed.

Maj. Gen. Brooke E. Allen, 48, USAF, NATO Air Commander for Southeastern

Virginia (Cont.)

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Europe, assumed control of USAF Headquarters Command at Bolling AFB, Washington, D. C., 29 July, succeeding Maj. Gen. Reuben C. Hood, jr., USAF-Ret.

Radm. Charles C. Mann, USN-Ret., is the Washington, D. C., representative for the Radio Corporation of America's David Sarnoff Research Center at Princeton, N. J. He resides at 2706 Olive Avenue, N.W.

Mrs. Mamie Eisenhower is the recipient of a one foot square silver tray left to her in the will of Maj. Gen. Frank S. Cocheu, USA-Ret., a close personal friend of the Eisenhowers, who died 28 May at the age of 82. Petition for probate of the general's will showed an estate of \$271,495, with most of it to be divided among Col. George W. Cocheu and two other brothers.

TRANSFERRED TO WASHINGTON? Write us for free map of this area. Also we have houses for rent or sale. Let us know your requirements. We'll find you a home. F. E. MALCOLM, REALTOR, 4823 First Street, North Arlington, Virginia, Jackson 7-3024.

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U. S. COAST GUARD

Secretary of the Treasury—Robert B. Anderson
Commandant—Vice Adm. Alfred C. Richmond

PRESIDENT Eisenhower has appointed the officers shown below to the temporary ranks indicated, effective from 1 August.

Names of Reservists are preceded by an asterisk.

To Commander—Frederick J. Hancock.
To Lieutenant Commander—Walter E. Johnson.

To Lieutenant—*Charles E. Graves and *John J. Cadigan.

Retirements

Coast Guard Headquarters retired 18 Regular officers in August, including six commanders, two lieutenants, two lieutenants (jg), one ensign, six chief warrant and one warrant.

Their names and the reasons they ended their careers are shown below:

Physical Disability—Cdr. Arthur E. Wilcox, Freeman H. Harmon, Walter A. Wright and John L. Barron; Lt. (jg) Bruce S. Gathy; Ens. James L. Blakely; and CWO-3 John Kinnunen.

30 Years Service—Cdr. Thomas P. McCusker; Lt. Cash V. Slaghuys; and Lt. (jg) Rene J. Chevrier.

20 Years Service—Cdr. Arthur H. Shepard; Lt. Mart L. Jackson; CWO-2's Milton L. Hecox and Haden C. Murphy; and WO-1 Robert Shute.

Assignment Changes

Commander

Hume, John W. OWASCO (CO) to COM EASTAREA (Asst Read & Mob Plan Off)—CANCELLED. OWASCO (CO) to Base, St George (XO).

Lieutenant (jg)

Byrd, Mark W. EVERGREEN (Duty) to CGD1 (der)—CANCELLED. EVERGREEN (Duty) to RCA Institute (Duins).

Davis, Weymond, SORREL (XO) to CGD2 (der).

Kennelly, Francis J. CGD3 (der) to HOME.

Ledchome, Charles H. MACKINAW (Duty) to HOME.

McDowell, Samuel A. jr. CHINCOTEAGUE (Engr Duty) to RCA Institute (Duins).

Pierpoint, Sanford H. CASTLE ROCK (Duty) to CGD8 (oan).

Beckitt, Harry J. NAS, Pensacola (Basic Flt Trng) to ACTIVE (XO).

Taylor, Dick G. NEMESIS (Duty) to RCA Institute (Duins).

Wight, Richard H. ACTIVE (XO) to CGD1 (der).

Ensign

Armour, Robert L. NAS, Pensacola (Basic Flt Trng) to WILLOW—CANCELLED. NAS, Pensacola (Basic Flt Trng) to NEMESIS (Duty).

Mullen, James M. HOME to WILLOW (Duty).

Olin, Richard A. IVY (Duty) to CGD9 (COTP).

Winn, Ralph. WIMONA (Duty) to RCA Institute (Duins).

CWO-3

Lamb, Albert C. RAMBLER (CO) to Depot, Corpus Christi (CO).

Wright, Merritt O. WHITE HEALTH (CO) to Group, Cape Cod (GRUCOM).

CWO-2

Burbage, Glen N. Group, Fort Macon to Santa Rosa LBSTA (CO).

Crawley, Philip J. COWSLIP to WHITE HEALTH (CO).

Newsome, Eugene. HG (FS) to KUKUI.

WO-1

Suchon, John H. MATAGORDA to CGAD, Biloxi.

Thompson, Fay K. SOUTH INSP to RCA Institute (Duins).

Tremblett, Albert H. jr. CGD8 to CGAD, CorpusC.

Hensley, Clyde R. AR&SB, Elizabeth City to CGAD, Bermuda.

Reinhart, William J. CGAD, San Juan to CGAS, SDiego.

Sapp, Edward V. CGAS, Elizabeth City to CGAS, Bklyn.

Baumann, Ralph E. CHAUTAUQUA to Academy—CANCELLED. CHAUTAUQUA to HQ (FS).

Glynn, Joseph J. Supply Depot, Honolulu to CGD1—CANCELLED. Supply Depot, Honolulu to CASTLE ROCK.

Lowe, Jesse B. CASTLE ROCK to USN Supply School, Athens, Ga (Duins).

Patrinis, Paul G. KUKUI to CGD14.

Army Tennis Team Set For All-Service Test



TEN top Army netmen, selected from among 30 representatives of eight major commands during a month of gruelling elimination rounds at West Point, are preparing to meet other top players from the Services at Quantico, Va. 10-15 August for the 1959 Interservice Tennis Championships.

First row left to right are seniors M. Sgt. Martin "Blackie" Jones of West Point; Maj. Robert MacHugh of Eighth Army Hqs.; Sp. 7 Emil Johnson of Ft. Detrick, Md.; and Col. Laverne Strom of Ft. Sam Houston, Tex.

Standing left to right are PFC Pablo Eisenberg of Ft. Jay, N. Y.; Lt. Ross Lomax of the 3d Armored Division, Germany; PFC Robert Potthast of Ft. Bragg, N. C.; Mr. Leif Nordlie, Coach; M/Sgt. William Millikan of Ft. Leavenworth, Kans.; Lt. Kenneth Carter of Ft. Benning, Ga. and PFC Ronald Fenasci of Ft. Sam Houston.

USAF '63 Class Has 44 Sons Of Service

The Class of 1963 at the U. S. Air Force Academy has 44 sons of Armed Forces personnel on active duty, according to Lt. Col. V. J. O'Connor, Cadet Registrar.

Of these, 26 have fathers in the Air Force, 14 Army, three Navy, and one Marine Corps. Five of the fathers are enlisted members.

The Class of '63 is the first full-size class of 748 cadets as well as the first to begin its four-year education at the Academy's permanent site north of Colorado Springs.

Academy officials point out that 22 vacancies are allotted to the President, who in turn has reserved these for sons of members of the Regular components of the Armed Services, whether on active duty, retired or deceased.

Applicants interested in this category should write directly to the Director of Admissions at the Academy.

All sons of Service personnel are also eligible and are encouraged to apply for Congressional nominations. In this case the applicant must make his request directly to a United States Senator from his state or to the United States Representative from his Congressional district.

Here are the sons of active duty Armed Forces personnel in the Class of '63:

AIR FORCE

Robert B. Baker, II, Col. Robert B. Baker, Jr., Hq. EUCOM, Paris.
Michael D. Bock, Maj. Harry Bock, Wright-Patterson AFB, Ohio.
James R. Bogaert, T/Sgt. Joseph R. Bogaert, Orlando AFB, Fla.
Harry N. Brittenham, II, Maj. Harry M. Brittenham, AF Ballistic Missile Station, Los Angeles.

James A. Caudell, Maj. Colven E. Caudell, Moron AFB, Spain.
Michael T. Christy, Capt. Warren B. Christy, Willow Run Sta., Belleville, Mich.

Bryant P. Culberson, Col. Virgil B. Culberson, HQ USAF, Wiesbaden, Germany.

Robert S. Dotson, Capt. Cecil J. Dotson, Hq 72d Bomb Wing, Ramey AFB, P. R.

David Dougan, Col. Eric Dougan, Air Force NW Region Civil Engineer, Portland, Oregon.

John J. Dougherty, Brig. Gen. John E. Dougherty, Hunter AFB, Ga.

Lawrence R. Eastman, Lt. Col. John R. Eastman, Ent AFB, Colorado Springs.

Robert M. Foley, Lt. Col. Robert L. Foley, 2659th Air Reserve Center, Wichita, Kans.

Homer V. Frailey, Maj. Homer F. Frailey, Keesler AFB, Miss.

Robert W. Hall, Jr., Brig. Gen. Robert W. Hall, Hq. EUCOM, Paris, France

Richard E. Hays, Lt. Col. Nathan B. Hays, Kadena AFB, Okinawa.

George M. Huntley, III, Capt. George M. Huntley, Jr., Offutt AFB, Nebr.

Klem F. Kalberer, Jr., Col. Klem F. Kalberer, McChord AFB, Wash.

Thomas McCrackin, Col. Marlon R. McCrackin, Kirtland AFB, N. M.

Jesse K. Murray, Lt. Col. John E. Murray, University of Indiana (AFIT).

Thomas C. Plerson, S/Sgt. Isaac S. Woodson, Sewart AFB, Tenn.

J. S. Pirruccello, Jr., Col. J. S. Pirruccello, USAF Plant Representative, Hayes Aircraft Corp., Birmingham, Ala.

Robert B. Simpson, Col. Edward Fletcher, HQ USAF.

James R. Thyng, Col. Harrison R. Thyng, Federal Aviation Agency, Washington, D. C.

Gary W. Vaughn, Lt. Col. W. E. Vaughn, Jr., HQ USAF, Washington, D. C.

Sam W. Westbrook, III, Col. Sam W. Westbrook, Jr., Federal Aviation Agency, Washington, D. C.

Patrick E. Wynne, Col. Edward P. Wynne, Patrick AFB, Fla.

ARMY

Frederick C. Bauer, Lt. Col. Philip R. Bauer, 1036th USAR School Worcester, Mass.

James B. Brooks, Col. Harold E. Brooks, Ft. Sam Houston, Tex.

James S. Butt, Chaplain (Maj.) Henry C. Butt, Ft. McPherson, Ga.

John J. Davis, Jr., Brig. Gen. John J. Davis, HQ USA, Washington, D. C.

John L. Diesem, Lt. Col. Walter F. Diesem, Ft. Lee, Va.

Karl P. Hemeyer, Lt. Col. Karl P. Hemeyer, Columbia Military Academy, Columbia, Tenn.

Bruce A. Nottingham, Lt. Col. Jonathan O. Nottingham, Ft. Gordon, Ga.

Charles D. Ogren, Col. Oscar J. Ogren, Brooke Army Hospital, San Antonio.

Richard F. Rader, Col. William F. Rader, Elmendorf AFB, Alaska.

NAVY

Francis M. Regnier, Col. Francis W. Regnier, Office of the Surgeon General, Washington, D. C.

Tracy M. Sharp, Chaplain (Lt. Col.) William B. Sharp, Ft. Leavenworth, Kans.

Robert E. Shaw, M/Sgt Floyd M. Shaw, Ft. Bliss, Tex.

Judson B. Van Dervort, Col. Edmund H. Van Dervort, Presidio, San Francisco, Calif.

James R. Young, II, Maj. James R. Young, Arlington Hall, Va.

NAVY

Thomas V. Burns, CPO Normand M. Burns, USS Fletcher.

Norman I. Lee, III, Cdr. Norman I. Lee, jr., MAAG, Seoul, Korea.

Richard F. Vara, CPO George K. Vara, USS Nanthala, Norfolk Naval Base, Va.

NAVY

Douglas H. Butterfield, Col. Jackson B. Butterfield, 3d Marine Div., Okinawa.

INDUSTRY IN DEFENSE

Research Leaders View Sky Station Model



TOP Research and Development officers hear Percy L. Spencer, Senior Vice-President of Raytheon Company explain the firm's proposed sky station which would be held aloft by microwave energy beamed from the ground. The model was shown at dedication of Raytheon's new Spencer Laboratory in Burlington, Mass., named for Mr. Spencer, a pioneer in microwave tube development. Left to right are Lt. Gen. Bernard A. Schriever, Commander Air Force Air Research and Development Command; Lt. Gen. Arthur G. Trudeau, Chief, Army Research and Development; Mr. Spencer; and RADM. K. S. Masterson, Navy Guided Missile Director.

Army Signal Deputy Hails Hughes "VP" System For Combat Air Defense Commander

A mobile tactical air defense system—tabbed as "vest pocket"—which can coordinate antiaircraft missile firings at split-second speeds was jointly demonstrated for the first time at the Association of the U. S. Army meeting in Washington, D. C., on 3 August by the Army Signal Corps and scientists of Hughes Aircraft Company.

The "VP" system, which combines Nike-Hercules, Nike-Ajax or Hawk missile batteries in an antiaircraft "umbrella" with batteries dispersed over a very wide area, is now being deployed overseas by the Army.

Dr. Nicholas A. Begovich, Hughes-Fullerton director of engineering, whose organization developed and built the system, cited three principal advantages.

Speed: Messages pin-pointing location of hostile aircraft are relayed through the system in milliseconds. Conventional systems require many humans relaying target position by telephone, a time-consuming and error-prone method outmoded by the ever increasing speeds of modern jet aircraft.

Mobility: Sturdy but highly miniaturized electronic components of the vest pocket system are mounted in standard heavy-duty 2½ ton Army trucks. Thus the "vest pocket" system can be deployed under combat conditions wherever the vehicles can be driven.

Reliability: Use of digital data handling techniques in the equipment practically eliminates the possibility of error.

In announcing the new "vest pocket" system Brig. Gen. Earle F. Cook, Deputy Chief Signal officer said: "We feel that in developing and producing this equipment we have taken a very significant step in modernizing the field army air

defense capability. We have provided combat army air defense commanders with electronic equipment which is mobile, rugged, extremely reliable and which gives them accurate and timely information required to coordinate air defense activities to meet the high speed threat of today."

(For Diagram, See Page 29)

The system consists of an "operations central" and several "coder-decoder" units. Information on an air attack, received either from larger networks or from the "VP" system's own radar, funnels into operations central, where it is viewed on tactical display screens.

An Army commander may direct the antiaircraft defense from the operations central truck, assuring that missile assignments provide maximum coverage, or he may merely monitor the battle while the defense is directed by higher echelons.

Each coder-decoder unit, mounted in trucks, is a link between operations central and the missile battery. Its purpose is to convert automatic data link information into a form used by the Army's missiles for aiming and firing.

In return, the system can provide the commander at operations central or higher echelons with the status of each individual missile battery; that is, whether it is tracking or firing, and the results of its fire.

Hughes Aircraft is manufacturing the "VP" system for the Army under a \$30 million contract awarded in 1958.

The AN/MSQ-18 is also an integral part of the Signal Corps Missile Monitor field army air defense system, presently undergoing evaluation tests at the Army Air Defense Board, Ft. Bliss, Tex.

Industry Unveils Weapons Gains At Army Association Meeting

Martin Lacrosse

Details Revealed

Some of the previously classified details on how the Army's newest operational missile, the Martin Lacrosse, can deliver nuclear and conventional warheads on pin-point targets were disclosed at the AUSA meeting. Tactical equipment was delivered to combat troops only late last month at Ft. Sill, Okla.

The Army said this week that capability of Lacrosse as a close support weapon stems from use of a mobile ground guidance station, normally located in the front line area.

Lacrosse, originally developed for close support, also has been designated as a general support weapon.

Guidance equipment includes an angular tracker, a computer, a range and direction indicator, plus power supply. In addition there is a target locating device which can measure exact distance and elevations.

All guidance equipment can be transported by jeep, or back-packed into rough terrain. Here is how the guidance station works:

Initial direction of fire and trajectory of the missile is worked out by conventional artillery fire direction center methods.

After the missile is launched it is acquired by the tracker, with the computer "flying" the missile until it dives and hits the target.

This capability gives ground combat commanders a weapon that can be called in under all conditions of weather or visibility to knock out heavily fortified positions with one round, and with the added element of surprise.

In the guidance technique, the Army took a lesson from the athletic field. In the game of Lacrosse, goals are scored in much the same manner, with the ball being passed downfield to a man in position to hurl it into the net.

The Martin Company, through its Orlando, Fla., Division, is prime contractor for the system.

The 1959 meeting of the Association of the U. S. Army, covered extensively in this issue, was highlighted by strong industrial participation. Scores of defense manufacturers exhibited the contributions they are making to national defense. Many new developments were made public for the first time. Some of the more important disclosures are reported in these columns.

Watch Lacrosse Action



LT. Gen. Guy S. Meloy, Fourth Army Commander, and President William Bergen of the Martin Company were key participants during the recent Lacrosse Day review and activation ceremony marking the turn-over of missiles and equipment to the Army's first Lacrosse battalion and the activation of the Army's third Lacrosse battalion at the Army and Missile Center, Ft. Sill, Okla.

Space Amplifier Gets AUSA Display

A radio amplifier which added more than 150,000 miles to the range of missile tracking equipment at Redstone Arsenal, Ala., during the Pioneer IV space probe was exhibited by International Telephone and Telegraph Corporation.

Called a parametric amplifier, the device is capable of "turning up the volume" of a received signal without amplifying noise in the receiver itself.

The amplifier enables O/H (over-the-horizon) radio links to be extended 100 miles over present 250 mile limits. Alternately, it enables transmitters of O/H

links to cut broadcast power by as much as 90% while providing the same service as previously.

In tests on the northernmost and longest O/H link of the White Alice communication system in Alaska, a pair of radio receivers used with the amplifiers carried all operational circuits for 24 days during last March and April. Although March is one of the worst months of the year for O/H propagation, no outages were reported and the amplifiers operated without failure.

When used in tracking the Pioneer IV space probe, the solar satellite was tracked by the Redstone Arsenal equipment for 215,000 miles although the signal was minus 158 dbm at the time the test was discontinued. Without the aid of the amplifier the same equipment was unable to track the Pioneer IV at 50,000 miles.

Redeye For Army-Marines

The Army and Marine Corps reported plans for joint development of a new surface-to-air shoulder-fired guided missile system called Redeye, shown for the first time at the AUSA meeting.

The Army Rocket and Guided Missile Agency, Army Ordnance Missile Command, Huntsville, Alabama, has awarded a contract, totaling approximately \$6 million, to the Convair Division of General Dynamics Corporation for development of the system, at Pomona, Calif.

The Redeye missile system is designed to provide combat troops with the capability to destroy low-flying strafing or bombing aircraft.

Decision to develop the system was based upon a feasibility demonstration conducted by Convair under government contract during the past year. Results indicated that the development is technically feasible.

The Army described Redeye as "a man-

Defense Team



THE Service-Industry defense team is pointed up in this photograph taken in the command center of the new Tactical Air Defense System. Capt. M. H. Storey (front) shows how a local commander can monitor an air battle and assign targets to missile batteries from controls at radarscope of the operations central. Assisting him is radar operator, SP-5 James Herrick. Observing the demonstration is Dr. Nicholas A. Begovich, Director of Engineering, Ground Systems Group, Hughes Aircraft Company.

transportable, shoulder-fired missile system designed to destroy low-flying jets or conventional planes. The weapons system is approximately four feet long, about three inches in diameter and weighs approximately 20 pounds. It is effective at altitudes and ranges commensurate with defense of field army positions and Marine Corps amphibious operations against

—Continued on next page

L/G Trudeau Always A Strong Fighter

The Army's Research and Development Chief, Lt. Gen. Arthur G. Trudeau, who has a distinguished combat record, demonstrated again this week that he believes in a fighting approach and not retreating under attack.

He appeared before the Association of the U. S. Army's meeting 4 August to present a report on Army R&D activities.



Gen. Trudeau

That morning, many newspapers had published stories concerning industry participation in the AUSA meetings and the fact that a number of firms had arranged for "hospitality suites" at the Sheraton Park Hotel.

The inference was made that such hospitality

was designed to influence military contract decisions.

General Trudeau refused to permit the allegation to go unchallenged.

Before beginning his prepared address, General Trudeau remarked that the previous evening he had been the guest of four different vehicle manufacturers at

AUSA receptions.

The general said that under the circumstances he really could not be certain to which one he was " beholden."

Amid laughter throughout the huge convention hall, General Trudeau quickly added that it seemed to him that "these days it's all right to drink with our enemies but not our friends."

The reaction later among Service and Industry delegates who discussed the general's remarks with a JOURNAL reporter was unanimous.

All hailed his courage in counter-attacking the allegations of wrongdoing with a direct and prompt retort.

8 Aug. 1959 (Vol. 96, P. 1515)

Army Navy Air Force Journal 35

AMF GETS AF AWARD FOR MISSILE 'CHUTE STUDY

New materials for use in recovery parachutes for missile nose cones and satellites will be investigated by American Machine & Foundry Company's Mechanics Research division, Chicago, under an Air Force contract awarded by Wright Air Development Center, Wright-Patterson AFB, Ohio.

Fred K. Powell, jr., AMF Vice President and Government Products Group Executive, said a broad range of new parachute materials will be studied by AMF-MRD, including some of the new synthetic textiles, and metal and glass fibers.

Present conventional parachute materials cannot withstand the wind pressures and excessive temperatures which occur at the high speeds achieved by missiles and satellites.

In addition to the heat and strength problems, another problem the AMF-MRD study will attempt to solve is one of parachute weight.



Telephone

team-up for missilemen...



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DO**



Set up a huddle of key figures at a missile base in a matter of seconds? It has been done—with sophisticated switching by AE.

The new Automatic Electric 3500-line exchange at Vandenberg Air Force Base makes it possible. Conference circuits can be set up automatically on any internal, incoming or outgoing calls, and a number of men can be placed on the line as the situation demands, with a complete recording being made of the conversation.

Engineers at AE are old hands at switching techniques such as this. That's why AE is well-equipped to solve problems in automatic control for the armed services—and see the job through.

If you have a project in communications or control, AE can assist in the design, and supply the components or complete control packages. For quick results, write the Manager, Government Service Division, Automatic Electric Sales Corporation, Northlake, Ill.

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AF Single Agent For Electron Tubes

The Air Force has been selected as the single procurement agent for common electron tubes used by all the Services.

Assistant Secretary of Defense (Supply and Logistics) Perkins McGuire said that during fiscal 1959 the Air Force accounted for more than 50% of the \$48 million worth of these commonly used tubes procured in the Armed Forces.

This assignment is to be fully implemented by 31 March 1960, in accordance with a phased schedule which will be developed by the Air Force in coordination with the Army and the Navy.

Military Products Unit Names Vice Presidents

Charles L. Davis and Clyde A. Parton have been named Divisional Vice Presidents in Minneapolis-Honeywell's Military Products Group, it is announced by Stephen F. Keating, Vice President of the company.

Mr. Davis is General Manager of the company's Aeronautical Division, Minneapolis, and Mr. Parton is General Manager of the Ordnance Division. They will continue to manage their respective divisions.

Aeronautical and Ordnance are the two largest divisions in Honeywell's Military Products Group.

The Aeronautical Division maintains plants in Minneapolis, Minnesota; St. Petersburg, Fla.; and Los Angeles, Calif. The Ordnance Division has plants in Minneapolis; Duarte, Calif.; and Seattle, Wash.

Redeye Revealed

From preceding page—

strafing and bombing aircraft."

The missile's launcher resembles the famed "Bazooka" launcher of WWII and Korea in appearance only. The launch tube serves as the shipping container for the missile.

The missile itself is a composite structure containing propellant, high explosive warhead and an electronic guidance system. Both the missile and its launcher can easily be carried by one man through underbrush and rugged terrain where no other type of anti-aircraft weapon could be transported.

Maj. Tracey Goes To Trinity

Maj. Morton R. Tracy, Associate Professor of Air Science at the University of Akron, Ohio, has been appointed Director of Training of the AFROTC Detachment at Trinity College, Hartford, Conn.

Support Mounts For Retired Pay Equity Legislation, "Dual Law" Repeal

From first page—
the President and declared:

"A member of the military service should have a right to consider adequate retired pay as a normal expectancy based upon long and honorable service."

The Association's resolution added: "Many of those who are just beginning their Army careers maintain that as a career incentive the same standard for compensation of retirement pay should be applied to all without regard to date of retirement."

The Army Association appealed to Congress to "enact at an early date" reme-

dial legislation on the retired pay front.

In its resolution concerning dual compensation laws, the Association took the position that "the services of many competent persons are lost to the Federal Government because of these restrictive laws," some of them dating to 1894.

The Journal said editorially last week that one result of the current Hébert Subcommittee hearings on alleged "influence peddling" may be action to amend the "dual compensation" and "dual employment" laws.

In the wake of this editorial, Representative Samuel S. Stratton (D-NY)

said he expects "positive and constructive" legislation to develop from the Hébert inquiry.

He told the House 4 August that information developed by the Hébert subcommittee thus far "does not appear to justify some of the sweeping accusations against these officers that have been made on the floor of this House and elsewhere."

Representative Stratton said he believes "the committee is performing a most useful job and I believe that there is every likelihood it will come up with positive and constructive legislation that

will enhance rather than impair our defense program."

In that connection, Representative Stratton said he "was extremely pleased to read the editorial which appeared in the 1 August issue of the ARMY NAVY AIR FORCE JOURNAL, indicating the constructive nature of some of the legislative recommendations which the committee hearings are likely to lead to."

He inserted the editorial in the Congressional Record.

The Change At NORAD



GENERAL Earle E. Partridge, left, and his successor as Commander-in-Chief of the North American Air Defense Command, General Laurence S. Kuter, are shown at the change of command ceremonies at Ent AFB, Colo.

General Kuter arrived there from duty as Commander-in-Chief of Pacific Air Forces in Hawaii.

General Partridge was honored with General O. P. Weyland (pictured below) during retirement ceremonies 31 July at Bolling AFB, Washington, D. C.

Missile Badge From Mrs.



MRS. O. P. Weyland decorates her husband General Weyland with the Missile Badge prior to his retirement last week as head of the Tactical Air Command. The general had just finished a scheduled presentation of commendation medals to his command aircrew and staff members when Mrs. Weyland, Lt. Gen. William D. Eckert, TAC Deputy Commander, and Brig. Gen. William M. Gross, Chief of Staff, entered the room.

General Eckert asked the group to remain for a moment as there was one more presentation to be awarded. Turning to General Weyland he said that it was "particularly significant that we present you with this Missile Badge, since under your leadership and guidance TAC became the first Major Air Command to have operational missiles in its weapons inventory."

General Eckert introduced Mrs. Weyland as the general's permanent C.O. and the only person available who ranked him, saying that it was only fitting that she make the presentation.

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